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DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

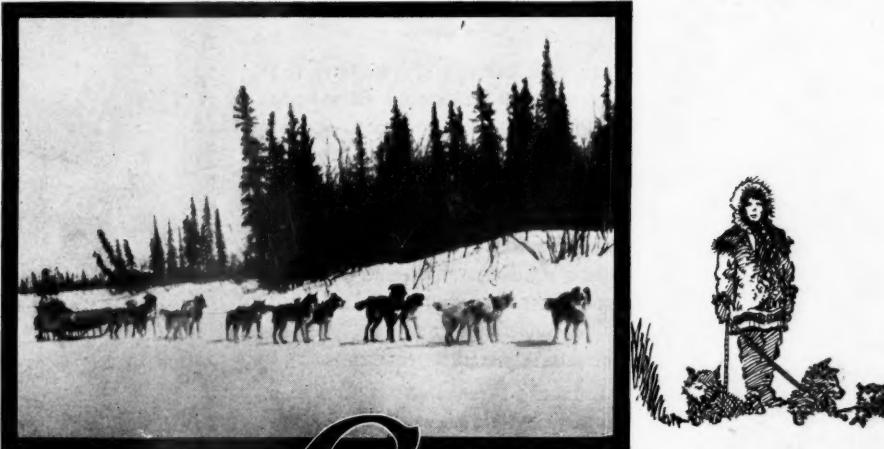


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VOL. XVI

NEW YORK, APRIL 1, 1925

No. 13



Confidence

R & H
CHEMICALS

A partial list of R & H Chemicals—together with price changes and comment on special market features—is published each month. This list includes chemicals used by the consuming industries. It is used regularly by many as a guide in the purchase of material. We shall be glad to include on the mailing list the name of any one interested.

THIS practical age looks for results. What value then should be placed on confidence in the light of the magnificent record it inspired on the far away rim of the Arctic Circle?

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43rd



Year

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MONSANTO



A page from
our Salicylate booklet

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Acetyl Salicylic Acid Granulation

10% Starch

(White, Pink, Green, Orange and Gray)

Realizing the need of a permanent granulation of this character and under the urge of several prominent pharmaceutical manufacturers, who helped us materially in our earlier experimental work, we have developed this product. It is now highly endorsed for and employed in the manufacture of tablets by these same and a growing list of manufacturers

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It is made for direct feeding to tablet making machines without necessity of further preparation

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Send for representative sample.

Packed in barrels of 200 lbs. net.

Packed in kegs of 100 lbs. net

-10-

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VOL. XVI

No. 13

The Week in Brief

News

The Federal Circuit Court of Appeals, at Philadelphia, dismissed the Government suit against the Chemical Foundation. The Court emphasized the fact that the President had full authority to order the sale of the German patents and that no conspiracy was proved. Companies in German Potash Syndicate that favor higher export prices represent 54 per cent of total interests, but Director General Diehn declares no increase is contemplated.

Government and trade experts discuss the question of admitting Japanese mint oil to the American market, giving their reasons why it should or should not be allowed to come in.

The peppermint oil situation now is considered critical. The use of woolen goods shipped to Japan from the United States by the Red Cross, following the earthquake has given impetus to the weaving industry owing to the demand for similar goods, and the type of dyestuffs wanted has changed completely.

Alsation potash prices have been advanced owing to higher production costs due to an advance in wages of the workers underground.

Markets

Heavy chemicals show slight change. Domestic makers continue to report large contract withdrawals. Importers report March totals sharply below February. Potassium chlorate up to 7½c lb. for shipment.

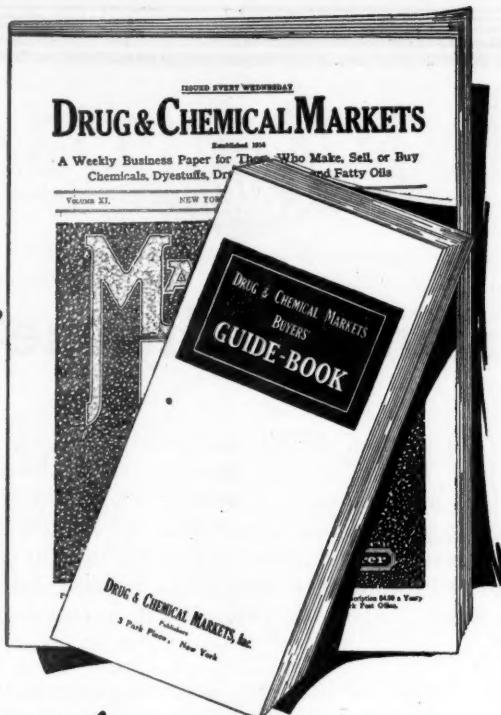
Light oil distillates easier owing to unsettled condition of the gasoline market. R-salt lower. Intermediates remain in slight demand.

Vegetable oils show a slight gain in strength over the week. Chinawood and linseed oils in better demand. Animals oils hold firm positions although tallow remains unsettled.

Fine chemicals quiet with some added strength. Mercury, menthol and camphor up. Large imports synthetic methanol continue. Isopropanol down.

Crude drugs are in better supply in a number of instances. Agar agar is lower. Ipecac root, Cartagena, is easy. Insect flowers are higher for shipment.

Essential oil market was featured last week with advances in oils anise and cassia. Oil peppermint steady in spite of small demand. Terpineol is easy.



What's the price -
Who sells it -
How's the market -
What's the news -



EVERY subscriber to this weekly paper gets a free copy of this complete directory and buyer's guide—not a mere list of advertisers, but a real buying reference book. New 1925 Edition of the Guide Book—857 pages: linen lined covers—ready for distribution. The supply is limited: better send in your subscription order (\$4, domestic: \$5, foreign) to 3 Park Place, New York City, today by return mail.



Calco and Methylene Blue

One of the most widely used basic colors is Methylene Blue. In the form of the zinc-salt or the zinc-free types it is indispensable to many different trades. In topping log-wood blacks on silk, for coloring paper, in the printing and dyeing of resist blues on cotton or silk, for the manufacture of lakes, writing inks, coloring matches, carbon paper, etc., it is constantly employed.

Calco is one of the very largest manufacturers of this important dyestuff and our great experience in supplying the requirements of these various consuming industries has resulted in the preparation of the following well-known Calco standards:

Zinc-Salt Types:

Calco Methylene Blue 2B
Calco Methylene Blue 2BS
Calco Methylene Blue 2BC
Calco Methylene Blue 2BCS
Calco Methylene Blue 2BX

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Calco Methylene Blue ZF
Calco Methylene Blue OM
and others

Each of these products has been designed for a particular purpose. Let our Application Laboratory assist you in selecting the one best suited to your needs, at no obligation to yourselves.

**THE CALCO CHEMICAL COMPANY
Bound Brook N.J.**

New York Boston Philadelphia Chicago

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DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, APRIL 1, 1925

No. 13

THE FUTURE OF ACETIC ACID

Linked closely with the present demoralized condition of the American wood chemical industry, is the future of acetic acid. All attention has been focused on methanol, but to the acetic acid consumer, the possibility of a drastic curtailment of the output of acetate of lime in this country is serious. The possibility of doubling the price of acetic is not a possibility, but a distinct probability. If the hardwood is not distilled, acetate of lime will not be produced. With acetic acid as a major product of the distillation, production aimed primarily at furnishing a supply of this important material will, of necessity, be expensive.

Output of acetate of lime in future years may depend to a great extent on by-product operations, that is from charcoal plants of steel mills which have to have their carbon in this form. The Ford plant for hardwood distillation which gave the American wood chemical producers their first scare about a year ago, is the type which may keep running in spite of German competition. With acetate of lime at eight or ten cents, the sale of methanol at forty cents would not be quite so painful.

Unless synthetic acetic acid follows closely on synthetic methanol—and this is reported well past the experimental stage,—a short time may see a marked change in the price of the acid from its present humble status. If some other supply is found, alcohol fermentation by-product or the like, chemical synthesis may be the only future source of the acid.

THE GERMAN PATENTS SUIT

When two federal courts, one a Court of Appeals, decide unanimously that the President of the United States had power to order the sale of the German patents seized during the war, and after months of evidence and argument, fully exonerate the defendants charged with conspiracy, it seems to the average layman a waste of time and money to appeal the case again. However a decision from the Supreme Court will settle the suit for all time, and perhaps it is best to have so important a contest spread upon the records, setting forth that Congress delegated its power to the president and that he acted according to law in a great emergency.

The suit never should have been brought against

the Chemical Foundation. It performed a patriotic duty in organizing to carry out the instructions of Congress which were that the sale of the German patents must be made to American citizens in a way to prevent a monopoly. These patents could not be offered at public auction, for the very good reason that this would open wide the way for German interests again to obtain possession of them.

It is unnecessary to review the story of these patents and their use by the German manufacturers to hamper the development of the American chemical and dye industry. It is sufficient to say that the lack of a dye industry in France, England or America gave Germany a great advantage in the war because she was able to make high explosives and poison gases in the plants where dyes were manufactured. It was a national crisis, and patriotic men in this country came to the aid of the Government. Their reward was charges of conspiracy, vilification in open court, and insinuations upon their integrity. They have been exonerated by judges of United States Courts who declare there was no conspiracy and that the President of the United States had authority from Congress to issue the executive order for the sale of the patents.

UNFAIR F.T.C. PRACTICES

The Federal Trade Commission has voluntarily closed its own "fishing season." Under the new procedure, adopted by a vote of three to two of the Commission, expeditions into the affairs of private business, where the general public is in no way affected, will not be conducted in the future. Divided on strictly political lines, the Commission changed the regulations covering its own activities, stating in part:

"Hereafter, it shall be the policy of the Commission not to entertain proceedings of alleged unfair practices where the alleged violation of the law is purely private controversy redressable in the courts, except where said practices substantially tend to suppress competition as affecting the public. In all such cases, there must be three parties involved, the respondent, the competitor injured, and the public."

In the future, an informal, preliminary hearing will be conducted after ample notice of a complaint to the respondent, in order to give him a

chance to answer privately, without harmful publicity. This corrects an unjust practice which has been in vogue far too long. Merely to be hailed before the Commission has been close to condemnation without trial in the public mind. By this new ruling, the Commission has issued a "cease and desist" order against one of its own very glaring "unfair practices."

This self-limitation of Federal Trade Commission activities will be welcomed by American industry. Too much of its past work has consisted of futile "fishing expeditions" into business with unnecessary expense, annoyance and damage to legitimate enterprises. The Commission is now going to confine its activities to public affairs and let competitors fight their own private battles. Hard-headed common sense in the White House has evidently brought pressure to bear.

THE CASH DISCOUNT

Like many business customs the cash discount no longer fulfills its original purpose—an incentive to prompt payment, but is used to gain a price concession. This use of discount kills the benefits that formerly were derived from it, because the buyer pays in some way for all he apparently gains. Like the Irishman who cut a piece off the foot of the blanket that was too short and sewed it on the other end, the buyer thinks he is ahead of the game, but he isn't. The seller will make him pay for the cash discount somehow, somewhere, at some time.

The manufacturer or dealer who allows the discount cannot preen himself with the idea that he is not morally responsible. In making the concession he injures his own business and he knows full well that the buyer will not benefit in the end. In Europe and in South America, today, long credits are common, and the Germans have obtained a great deal of trade that might have gone to other countries, by granting credits of nine months or a year. The purchaser is attracted by the time gained, but he pays the price. Formerly long credits were common in the United States, and the purpose of the cash discount was to induce the buyer to pay more promptly. Jobbers gave credit and the retailer was able to do business without much capital, selling the goods before he was obliged to pay for them. Today he can borrow from his bank and the reason of the long credit and the purpose of the cash discount have been superseded. Now the discount is distorted to suit another purpose which demoralizes trade, and it should be abolished.

THE DUTY ON METHANOL

Based on the shipments of synthetic methanol to this country from Germany, American wood chemical manufacturers will very probably secure an advance in the present rate of duty. This may mean that the present twelve-cent tariff will become eighteen cents. Were the German product at all close to the American in range of production cost, this increase might help the wood chemical

industry. As it is, however, German costs are so far below the figures in America that this fifty per cent increase, if it is allowed by the President, will be just about as effective as a child's dike of sand in holding back an ocean wave.

Cost of production of synthetic methanol in Germany is said on good authority to be about eighteen cents. Cost of pure methyl from wood distillation in this country ranges between eighty and ninety cents per gallon in spite of the present selling price of seventy-five cents. With an eighteen-cent duty and an eighteen-cent cost, the laid down figure would not exceed forty cents for German material at any American port. This is less than half of the average cost of methanol production in this country, after allowing perhaps more liberally for charcoal and acetate of lime than they deserve under present market conditions. Thus, it is obvious that the maximum increase in duty would be ineffective.

The problem is bigger and broader than a question of tariff; it is the present day chemical counterpart of the industrial revolution of more than a half-century ago. The progress of industry is merciless, and as far as the chemical industry is concerned is likely to be more so as time goes on.

Ten Years Ago

From Mar. 31, 1915 issue of "Drug & Chemical Markets":

The European war threatens to cut off the supply of leeches. After over two thousand years of faithful service, it seems as though the little surgeon will retire from business. Only a few years and the leech jar will be seen only in museums.

With the United States the principal—in fact, the only customer for Italy's essential oils, there can still be a large falling off in production and shipment at this time, and still be more than enough exported to supply this country.

Dr. Otto N. Witt, writing in the "Chemiker Zeitung", states that the new English dyestuff industry will be a failure owing to the lack of co-operation in that country between science and industry. He says English chemists are bitter because Germany developed commercially a branch of industry which was in reality founded in England.

Much American drugs and chemicals are being shipped to Russia by way of Vladivostock and across Siberia. England has sent two ice-breakers from Canada to open the port of Archangel as soon as the ice is thin enough.

The metric system of weights of measures has been adopted in the new British Pharmacopoeia. The action was taken by the British Medical Council.

Officials of the Imperial Government are working in Berlin on a plan to permit the export from Germany of potash to the United States, if not enough for fertilizers, sufficient for chemical needs.

Rubber coagulated with sodium silicofluoride vulcanizes somewhat slower than when the coagulation has been made by use of acetic acid. After zinc oxide has been added, however, the rate of vulcanization is the same.

MAR 24 1926



Industrial Chemical SECTION

Japan as a Dyestuff Consumer

Her Expansion in Woolen and Cotton Production, as Indicated by Dye Usage, as a Factor in Future World Competition in Textiles

By L. M. LAMM, Washington Representative of "DRUG AND CHEMICAL MARKETS"

Since the Japanese earthquake in 1923, following which large shipments of woolen clothing were sent from America, a noticeable trend toward Western styles in wool clothes has developed in the big cities of Japan. Will this mean that the future will see Japan as a big market for woolens or for wool dyes? Will she be a customer or expand her woolen industry to become a competitor?

The cotton manufactories of Japan are increasing steadily and her grip on the cotton goods trade of the Orient becomes stronger each year. If this expansion extends beyond the Orient, what will it mean to American dyestuff makers,—to the American textile industry?

MAR 24 1926

The dominant position which the American dye industry is taking in India and China will undoubtedly be reflected in Japan, so that the control which the Germans have had of the Japanese dye market for years will have to be shared with the American industry in the future. This is indicated in recent reports received by the Chemical Division of the Department of Commerce. The control which the Germans have had of the situation, has been in spite of strenuous efforts of the Japanese to establish a dye industry of their own. Government authorities there take the attitude that domestic production can supply all reasonable requirements for colors, but German products are so firmly entrenched that it is extremely doubtful if they will ever lose ground to any great extent in that market unless the American companies can force it.

Dye stocks in Japan are moving slowly and the market continues dull, while prices are apparently on rock bottom, the reports indicate. Consumer demands for all textiles have been very light, due to the impaired purchasing power of the people and in some measure to the economy propaganda which is being disseminated. Jobbers, seeing this condition, have hesitated to stock up with textiles, the more so as many of them cannot afford the financial strain of carrying large stocks of goods for any length of time. As a result, the mills are reported to be on part time, and are buying dyes only for current requirements.

Estimates of dye consumption in Japan in various industries, indicate that about 90 per cent is used in the textile industry, 9 per cent in the paper industry and 1 per cent in the leather and food industries. In the silk industry, acid and direct colors are used mostly; for special purpose chrome, mordant, vat and sulfur colors are used. In the cotton industry the Japanese use direct and developed cotton and basic colors; for special purposes, vat and mordant colors are used. In

the woolen industry, acid and chrome colors are used mostly; for some purposes mordant colors might be used. In the paper industry direct and basic colors are chiefly used and in the leather industry also direct and basic colors are in use.

Use Latest Dyeing Methods

Reports which are in the hands of the Chemical Division state that in Japan more blacks are used than any other dyes on account of the prevailing use of that color in making outside garments for the Japanese. The next most popular color is blue. As more cotton garments are made than any other, the heavier demand is for dyes suitable for coloring cotton fabrics. Especially are blues used in dyeing cotton fabrics for summer, but a great deal of cheap Japan-made dyestuff is used for this purpose.

The dyeing methods in vogue are quite up to date, as the Japanese dyers are constantly on the look-out for new developments and even do some work in that direction themselves. Through the manufacturers' agents and jobbers, distributing in Japan, any new dyes developed or any new processes of using dyes, which might be used as selling arguments, inevitably reach the consumers in a very short time. A good many of the dealers subscribe to technical publications and they in turn issue house organs which are distributed to the trade, and being written in the vernacular, cover the field almost completely. Some of the German houses also, say reports, when new dyes or new processes are developed in their factories, distribute pamphlets describing the innovations to which they desire to give publicity.

Adopting Woolen Clothing

The cotton industry is showing the greatest expansion tendency in dye consumption at the present

time. Japan has developed an export trade in cotton goods in China and the South Sea Islands and her cotton industry has increased rapidly as a consequence. American government representatives in Japan, it is understood, feel that perhaps a greater future is in the woolen industry, due to the fact that foreign styles of clothing for men are becoming increasingly popular in Japan. Particularly is this tendency observable in Tokyo and Yokohama since the earthquake when great quantities of relief supplies were imported and distributed. The wearers of "foreign" clothing became accustomed to it and are adopting it. The result is a demand for woolen fabrics which is certain to increase constantly for some time to come.

Japanese production of dyestuffs was not undertaken to any great extent until after the outbreak of the European war in 1914, when supplies from Germany and other continental suppliers were cut off. With the growth of Japan's manufactures of silk, cotton and woolen fabrics, the shortage was a serious matter, and every effort was made to develop a dye industry in Japan which would make the country self-sufficient. In 1915, strenuous efforts were made to establish the infant industry and the Japanese Government subsidized one of the new large firms to the extent of guaranteeing an 8 per cent dividend for ten years on the capital. The subsidy expires this year and possibly will not be continued.

German Dyes Still Popular

Up to the present time, Germany has practically controlled the market for imported dyes in Japan. This is mainly due to the fact that the first foreign artificial dyes used in Japan were German products, and they are said to have a firm foundation in popular favor. The German companies also, do a great deal of educational work, most of them being represented by one or more technical men, who circulate among the dyers, explaining new processes and introducing new ideas. Each company, as it develops new dyes or processes publishes pamphlets for distribution to its customers in which the details of the innovation are explained.

The German companies sell their goods for cash. This policy is so firmly entrenched that it is almost impossible to sell goods for shipment against letters of credit as some salesmen from America have tried to do. The Japanese jobbers are willing to pay cash, but they want immediate delivery of the goods and the Germans keep full supplies of their products on hand at all times. The usual terms asked by a manufacturers' representative of a jobber are cash on delivery, the goods to be delivered immediately ex stock. A manufacturer dealing through an exclusive agent should ship to his representative on consignment, say the reports, or sell a stock of goods to him outright so that he can sell for immediate delivery.

Field For Direct and Sulfur Colors

Japan's textile industry is growing steadily and has so far proved to be immensely profitable to her. It may be expected to grow for some time to come as her export trade in cotton fabrics expands along the line in which it is being directed at the present time. There is, accordingly, a favorable opportunity for future development in the field of direct and developed cotton colors and sulfur colors, all of which are used in the cotton textile trade.

Dyes for wool will also be in demand as the wool textile industry increases and it may be safely predicted that it will. The Japanese dyers particularly favor vat dyes for wool, but only a few colors have been developed as yet which are suitable for this pur-

pose. Any addition to the list of four or five colors now available would be welcomed in the Japanese markets.

Vegetable dyes are of increasing importance. They were used to a large extent during the war period when other dyes were unobtainable. Logwood extract was employed considerably as was hematin, which is now being supplanted by artificial chrome colors. Some catechu is also imported but it is used mostly for tanning purposes and is negligible as a dye.

Japan Prefers Foreign Dyes

Beginning in 1921, there was a reduction in the total amount of dyes imported due to business depression in Japan and retarded activities of dyers and weavers rather than to any notable increases in native production. As a general rule, say the reports, the market prefers foreign dyes to those of Japanese manufacture. The market conditions have discouraged some of the Japanese dye manufacturers who are being driven to the wall by the importation of large quantities of cheap German dyes. Swiss dyes have been on the increase lately and some dyes have been received from Denmark, Holland and Belgium. There is no prejudice against American dyes provided they can compete with the German. During the war when German dyes were unobtainable, some American houses introduced sulfur black and sulfur blue colors with considerable success and there is a demand for American colors of this class which seems to be met with approval.

SODA DUMPING ORDER IS HELD UP

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 1.—The Customs Service of the Treasury Department is withholding from application its dumping order issued in August covering a shipment of hydrated carbonate of soda, imported from Germany by A. Klipstein & Co. Assistant Secretary of the Treasury Moss, in a communication to the Appraiser of Merchandise at Baltimore, says:

"You state that invoices from this shipper during the past several months have all carried the notation that the foreign value on the date of purchase, as shown thereon, includes inland freight, and is subject to a deduction of 5 per cent for so-called commission, which statement did not appear on the invoice the subject of your dumping notice, and that the volume of such importations at your port is scarcely sufficient to justify foreign investigation. You, therefore, recommended that no further steps be taken pursuant to the dumping notice, unless the Department has further information which would justify a continuance of the investigation."

"The Department is in receipt of a report from the Customs Information Exchange, Anti-Dumping Unit, from which it appears that the dumping notice issued by you is the only one received covering this class of merchandise, and that the investigation thus far made discloses no injury to an industry in the United States.

"The Department, therefore, approves your recommendation and will take no further action in the matter."

The Hoechster Farbwerke, Hoechst on the Main, Germany, has entered into an agreement to share operations with Philana A. G., Basle, Switzerland and the Padische company is negotiating with a Norwegian concern for the joint operation of a nitrate plant in Norway, where they can make use of cheap water power; the Igerussko, handling German dyes for Russia, has agreed to deliver 2,000,000 kilos of dyestuffs to Russian warehouses during this year and next, according to Trade Commissioner, William T. Daugherty.

Government Again Loses Dye Patents Suit

Chemical Foundation Officials Freed of Conspiracy Charge and President Wilson's Executive Order for Sale of German Patents Upheld—All Judges of U. S. Circuit Court of Appeals Concur in Judgment Dismissing Suit—Francis P. Garvan Exonerated—Decision Affirms Finding in Lower Court at Wilmington, Del., by Judge Morris—Congress Gave the President Full Authority and His Delegation of the Details of the Sale Was Validated by the President's Subsequent Approval and Ratification, Says the Court.

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, April 1—In dismissing the Government suit against the Chemical Foundation, the Federal Circuit Court of Appeals emphasized the fact that no conspiracy was proved and declared that President Wilson had full authority from Congress to order the sale of German patents seized during the war. The Court said in part:

"The Government has insistently pressed its charge of conspiracy throughout the proceedings in the trial court and here on appeal. We have therefore kept the subject constantly before us in our study of the case and in our deliberations it will be enough to say that we have found no evidence that sustains either the charge of conspiracy first made against representatives of the industry or the charge of conspiracy later made against officers and agents of the Government."

The Government charged that certain interests engaged in the dye and chemical industry desired to acquire the great number of American patents owned by German enemies and thereby obtain a monopoly of the industry in the United States; that pursuant to a conspiracy the Alien Property Custodian seized the patents and sold them at private sale to the Foundation, a corporation of which he was an officer. The Government averred that the custodian exceeded all powers conferred upon him and that his act amounted to confiscation.

Conspiracy Charge Not Proved

The court found that the plan to seize and sell the German patents was not instigated by representatives of the industry, but that the plan "had its birth in the mind" of A. Mitchell Palmer, then custodian, after he had decided that the patents be disposed of in such a way as not to create a monopoly and to the best interests of the country.

In his opinion concurring with the finding as written by Judge Woolley, Judge Buffington writes:

"I concur in the conclusion reached by the Court but, in one particular, on different grounds. The act of Congress on which this sale rests provided, 'That any property sold under this act, except when sold to the United States shall be sold only to American citizens, at public sale to the highest bidder, after public advertisement * * * unless the President, stating the reasons therefor, in the public interest shall otherwise determine.'

"In my judgment Congress by this twelfth section of the act confided a personal trust and imposed a personal duty on the President. It was the President who was to determine and his determination involved his ascertainment of public necessity and his statement of the reasons thereto moving him.

"In my judgment this personal Presidential trust could not be delegated and the delegation of it to Mr. Folck was not in accord with the statute, and therefore was without warrant of law. But the President's subsequent approval and ratification of what was done un-

der the delegation constituted such personal action by the President as validates the sale. I therefore concur in the conclusion reached."

Attorneys for the Government expressed the opinion that the Attorney General probably would appeal the case to the U. S. Supreme Court. The action may be taken to the court of last resort with a view to obtaining a final ruling and settling the matter for all time.

The decision of the Court of Appeals affirms the finding in the lower court at Wilmington, Del., by Judge Morris.

The Circuit Court decision was concurred in by all three members, Judges Woolley, Davis and Buffington, Judge Woolley wrote the opinion which covers 59 printed pages, and Judge Buffington wrote a concurring opinion.

Francis P. Garvan Exonerated

Judge Woolley dismisses the Government's contentions that Garvan went beyond his official capacity when he made the private sale of the patents, seized from German owners in war time, to the Foundation. The court finds that Garvan committed no breach of trust and that the Government failed to substantiate its charges that Garvan and the other Government officials had engaged in a criminal conspiracy to divert the valuable patent rights to themselves.

The Government charged that the patents were worth millions and that the sale price of \$250,000 was grossly inadequate. In the course of the hearing of the appeal here several months ago Justice Harlan F. Stone, then Attorney General, argued before the Circuit Court in support of the Government's allegations. It was the first time in many years that an Attorney General personally appeared in the Federal courts.

SAY DECISION HELPS CHEMICAL WARFARE

Francis P. Garvan, commenting on the dye patents decision, said: "The finding is important because Germany is making it more apparent every day that she is determined to regain her organic chemical supremacy. The German Dye Cartel is making every effort to borrow money here to purchase chemical plants in the United States."

Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers Association, said: "The court in its decision states clearly the importance of organic chemistry in its bearing on the future of medicine, the manufacture of high explosives and its primary importance in chemical warfare. To those of us who have constantly maintained that the creation of a dye industry was a direct contribution to national defense it is most gratifying to read the opinion of this high court that, 'hence dyeworks in times of peace are potential munition plants maintained and equipped to become, in the event of war, actually munition plants on almost a day's notice'."

Dr. J. F. Norris, president of the American Chemical Society, said: "The decision in the Chemical Foundation case will meet with the heartiest approval of all who are familiar with the facts in regard to the establishment of the Foundation. It means much to our owing chemical industry."

Import duties were abolished in Hungary on sodium fluorsilicates, butyric, valeric, succinic, and propionic acids on Feb. 15. A surcharge in addition to customs duty has been provided for on goods prepared with alcohol.

[APRIL 1, 1925]

WHO'S WHO— in the Chemical Industry

Edward S. Davis, secy. and mgr., Detroit Chemical Works, Detroit, Mich. Born, West Bay City, Mich., Apr. 2, 1873. Mar., Louise Niemeyer, Brooklyn, N. Y., Nov. 15, 1919. Educat.: Public and high schools, Detroit. Business: Secy. Detroit Chem. Works since 1900; mgr. since 1910. Handled all matters pertaining to war contracts with U. S. Govt. and acted as expert consultant to Detroit Ordnance Office during the war. Member: Mich. Sovereign Consistory, Moslem Temple, Mystic Shrine, Detroit Curling Club.

Clifford Gatch Selden, treas., The Selden Company, Pittsburgh, Pa. Born, Cincinnati, O., Feb. 1, 1891. Mar., Mildred M. Powers, Pittsburgh, July 1, 1921. Educat.: Washington-Jefferson, 1912. Business: Secy., Selden Co., 1910; pres., 1918-22; mgr., treas., Walker Chemical Co., 1917; treas. consolidated Selden Co., 1922 to date. Hobby: Radio.

William Joseph Thorn, mgr., Phila. branch, Innis, Speiden & Co., Inc., New York. Born, Phila., July 29, 1886. Mar., Kathryn E. Mahoney, Phila., Feb. 7, 1910. Educat.: Girard College, 1904, Drexel Inst., 1907. Business: T. G. Cooper & Co., 1904-12; Innis, Speiden & Co., 1912 to date. Member: Mixer's Club, Paint, Oil & Varnish Club, Chemical Club of Phila., Knights of Columbus. Hobbies: Golf and tennis.

James Garrett Vail, chemical director and secy., Philadelphia Quartz Co., Phila. Born, Phila., Nov. 16, 1886. Mar., Ruth M. Russell, Lansdowne, Pa., June 7, 1910. Business: With Philadelphia Quartz Co. since 1905; v. pres., Amer. Doucil Co. Did relief work in Germany with Amer. Friends Service Commission, 1920. Has published numerous articles on the uses of soluble silicates and allied subjects. Member: Chemists Club, Penna. Athletic Club, City Club (Phila.), American Chem. Society, (chmn., Phila. Sec., 1922), Amer. Inst. of Chemical Engineers, Amer. Ceramic Society, Franklin Institute. Hobby: Photography.

R. I. Wishnick, pres.-treas., Wishnick-Tumpeer Chem. Co., Chicago. Born, Chicago, Oct. 5, 1892. Mar., Frieda Frankel, Chicago, Nov. 29, 1919. Educat.: Armour Inst., 1914, B. S. in Chemical Engineering; Chicago Kent College of Law, 1917, degree B. L. L. Business: American Magnesia Prods. Co., chemist, 1914-16; Katzenbach & Bullock, salesman, 1916-17; A. Daigger & Co., mgr. Chem. Dept., 1917-20; Wishnick-Tumpeer Chem. Co. pres.-treas., 1920 to date; v. pres. Century Carbon Co. Member: Chicago Chemists Club, Amer. Chem. Society, N. Y. Chemists Club, Paint, Oil, Varnish Club, Rubber Assn. of America.

The guano industry of Peru has been seriously impaired by the deluge which lasted from Jan. 18 to March 14 with the exception of a single day after a dry spell of thirty four years. Present deposits are a total loss as the fertilizer salts were washed out by the water. In 1924 exports amounted to 119,000 tons valued at \$9,000,000.

Buckeye Soda Products Co. sales agents and merchant in heavy chemicals have moved from 22 W 2nd st., to 32 Main St., Cincinnati.

SELL AMERICA THE CHEMICAL IDEA, GEN. FRIES TELLS SALESMEN DINERS

Necessity For a Strong Chemical Industry Not Yet Fully Appreciated by People—Describes Futility of Banning Gas War As Long As Chemicals Are Produced in Peace.

The salesmen of American chemical manufacturers can and should "sell the chemical idea" throughout the United States, and should do everything within their power to impress upon the American people the necessity for a strong chemical industry, Major Gen. Amos

A. Fries, Chief of the Chemical Warfare Service, told 125 members of the Salesmen's Association of the American Chemical Industry who met Tuesday evening, Mar. 31, at the Builder's Exchange, New York. Gen. Fries, in telling of the struggle for permanent recognition of the Chemical Warfare Service, stated that the need for chemical peace-time production as a means of national defence, is not appreciated either by the American people or legislators.

To ban the use of poison gases in war while production of chemicals is going on is futile, Gen. Fries said, and cited the present production for industrial uses of chlorine, phosgene, and other products which were used in the world war, or which can be readily converted into products for war uses. He stated that gas warfare was far from inhuman, and that barring it out by the Treaty of Versailles could not be enforced and that England and France appreciated this. He described his original appointment to organize the gas warfare section during the World War and described the inability to secure the right chemicals in America or among the Allies. He told of Germany's lost opportunity to end the war victoriously for herself in 1915 through premature and weak use of her gases.

Dr. Charles Herty acted as toastmaster and introduced Gen. Fries. F. P. Summers of the Noil Color & Chemical Co., president of the Association presided. Elias A. Johnson, of the Monsanto Chemical Works, was chairman of the committee on arrangements.

GEN. FRIES ENTERTAINED IN BOSTON

The Boston Section of the United States Chemical Warfare Association and the Northeast Section of the American Chemical Society entertained Major General Amos A. Fries, chief of the Chemical Warfare Service at the Copley Plaza Hotel, during a three-day visit, last week. The banquet on Thursday was attended by more than 100 guests.

Salmon W. Wilder, head of Merrimac Chemical Co., and acting president of the Boston Section of the Chemical Warfare Association, was toastmaster. The speakers, besides General Fries, were John C. Hull, speaker of the Massachusetts House of Representatives; Mayor James M. Curley of Boston; Elon H. Hooker of New York, president of the American Defense Society, and Dr. Charles H. Herty, president of United States Chemical Warfare Association.

ALSATIAN POTASH PRICES ADVANCED

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Paris, March 21.—As a result of the rising cost of labor and its effect on cost of production, the Alsace potash mines are raising their prices for the second quarter of 1925 (April-June delivery). The comparative figures for the first and second quarters of the current year are:

	Per unit of pure potash.	Jan.-March. April-June.
	Francs	Francs
Sylvinit 12/16%	0.45	0.50
Sylvinit rich (20/22%)	0.55	0.60
Chloride of potash	0.90	1.00
Sulfate of potash	1.50	1.60

From April onwards, rebates, accorded each year during the dead season, will be granted as follows:

Sylvinit 12 to 16%, April delivery 4.30 francs per 100 kilograms, May delivery 6.00 francs, June delivery 4.50 francs. Chloride of potash April delivery 18 francs per 100 kilograms, May delivery 15 francs, June delivery 12 francs per 100 kilograms. During the same months a rebate will be granted in respect to deliveries on sulfate of potash on the same basis as those for chloride.

GERMAN FERTILIZER TRADE IMPROVES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., April 1.—Conditions in the German fertilizer industry continued to improve in January and early in February according to a report to the Chemical Division of the Department of Commerce from American Consul Dumont at Frankfort. The report states that there was increased interest shown by German buyers in all kinds of fertilizers and foreign trade was more satisfactory than it had been for many months. The report continues:

"The report of the Nitrogen Syndicate for January shows a very good demand for nitrogenous fertilizers, and heavier sales than in the previous month. It is stated that production was "undisturbed," the inference being that labor troubles in the chemical industry did not affect the output of nitrogen. Quotations on sulfate of ammonia were 1.12 marks for January and 1.13½ marks for February orders, per kilogram content of pure nitrogen."

AMMONITE CO. FINED \$9,000 FOR DEATHS

Ammonite Co., of Nixon, N. J., was fined \$600 on each of fifteen indictments charging manslaughter, by Judge Kirkpatrick on March 27, when George E. Cutley of Jersey City, counsel and receiver of the company, entered pleas of guilty to the indictments. Similar indictments against five individuals of the company were nolle prossed by the Court when the guilty pleas were entered. The manslaughter indictments resulted from fifteen known deaths in an explosion of TNT on March 1, 1924, which wiped out the Ammonite plant and that of the Nixon Nitrate Co.

Judge Kirkpatrick said that it was doubtful if conviction could have been obtained in a trial. Prosecutor Stricker concurred in this, adding that as the hiring of experts to testify would have been necessary the expense of a trial would have been exorbitant.

W. J. Zick, of Standard Oil Co., of N. J., Chemical Division, New York, has just returned from a six weeks' business trip, which practically covered the United States.

MANY COMPANIES IN GERMAN POTASH SYNDICATE FAVOR HIGHER PRICES

Wages Have Been Advanced, But the Workers Refuse to Agree to Longer Hours—Director General Diehn Denies Price Will Be Increased—Wintershall Concern Which Favors Low Prices Not In Control.

Berlin, April 1.—Director General Diehn of the German Potash Syndicate denies that the price of potash is to be advanced. "There has been no increase in the price of our product to the American consumer since May, 1924," he said. "The figure at which we are now delivering is considerably below the pre-war price, despite the enormous increase in German and ocean freight rates and the cost of handling at the mines, as we are delivering."

Discussing the recent conference at Lucerne, between representatives of the German and French syndicates, Herr Diehn said it was wholly devoted to the question of re-opening the markets in the Far East, South America and South and West Africa, with which the German syndicate lost touch during the World War.

The German potash industry is now divided into two large blocks, the Wintershall concern and the so-called Anti-Wintershall Block. The Wintershall concern has actively sought a majority of the quotas in the Potash Syndicate, but while it was concluding an agreement with the management of the mines belonging to the State of Prussia, strong opposition was made by the other potash producers, who formed the Kali block for the express purpose of opposing the Winter- shall policy.

Wintershall favors closing down mines with poor deposits and concentrating production at those having the best deposits and the most up-to-date plants. The Kali-block is opposing this view, even describing the Wintershall policy as being anti-German. The Kali-block holds about 54 per cent of the quotas in the Syndicate, and the interests are therefore fairly equally balanced. In a publication on the subject the block asserts that prospects of the potash industry are very bright and that no more mines should be closed because all must be kept going to fill the orders expected in the near future. It favors the agreement with Alsace-Lorraine and declares that exports prices ought to be raised as they are too low compared with pre-war quotations. The capacity of the Alsace-Lorraine works is estimated at 250,000 tons of K₂O annually, while the German works can produce several times that amount. The working agreement which was contemplated between the potash works Gluckauf-Sondershausen and the Kali-Industrie Gesellschaft (Wintershall) has been abandoned owing to the strong opposition made by shareholders of Gluckauf-Sondershausen.

German Potash sales during February amounted to 201,868 metric tons of K₂O. Together with 165,800 tons sold during January, the orders executed during the two months total 367,668 tons of pure potash, against 112,903 tons during Jan.-February, last year. In spite of the advanced season the syndicate has still many orders on the books for March delivery. Wages in the potash industry have recently been raised by 8 per cent for men employed below ground and 10 to 12 per cent for others. The employees have accepted the advance, but refuse to agree to longer working hours. An increase in potash prices has been postponed for the present, but there seems to be every possibility of an advance in spite of the declarations to the contrary by both the majority and the minority.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemicals, pages 970-995

OXALIC ACID CONTINUES TO ADVANCE

Spot Material Firm at 10c lb.—Potassium Chlorate Higher for Shipment at 7½c lb.—Barium Chloride Down to \$66.00 on Spot.—Arsenic Offered at 4¾c lb. Sodium Nitrate Breaks Under Lower Resale—Sodium Prussiate Changes Hands at 9¾c lb.—Ammonium Chloride Down for Shipment.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Acid Oxalic, 3½c lb.	Potassium Chlorate, 3½c lb.
Declined	
Ammonium Chloride, Shipment, Barium Chloride, \$1.00 ton 3½c lb.	Sodium Fluoride, 3½c lb.
Arsenic, 3½c lb.	Sodium Nitrate, 2c 100 lb.

Sodium Prussiate, 3½c lb.

Trend of the Market						
Today	Week	Last Month	Last Year	War Peak	War	Pre-
Acetic Acid, Glacial....lb.	\$11	\$11	\$11	\$12	\$19½	\$0.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	65.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	3.00	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	9.50	1.80
Copper Sulfate, c/l 100lbs.	4.65	4.65	4.65	4.90	20.00	4.50
Potash, Caustic, Imp....lb.	.07½	.07½	.07½	.06½	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	8.80	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate...lb.	.08½	.08½	.08½	.08½	.65	.06½
Sodium Prussiate, Imp....lb.	.09½	.10	.10	.11	1.25	.18
Average	2.927	2.927	2.927	2.979	10.75	2.99

Quietness and steadiness continue to characterize the heavy chemical market, and prices show no great change in one direction or the other. Domestic manufacturers still report heavy shipments against contracts, although importers and spot traders say their total shipments for March are sharply below February. Imported prices are maintaining a fair average, as some ease off due to large spot supplies and others advance owing to scarcity or to higher replacement values. Large spot stocks of ammonium chloride, epsom salts, barium chloride, arsenic, copper sulfate, Glauber's salt and many other items have been held by dealers for the best part of the present year in the hope that consumers would suddenly rush into the market and pay premiums for these products. But so far no difficulty has been experienced by buyers who have bought cautiously in locating sufficient quantities of their raw materials at favorable prices. Thus a quantity of these products is being offered at prices which in a great many cases net no profit.

Acetone—Fairly steady position reported in the fermentation product owing to the withdrawal of the acetate of lime makers from the field and stocks are not of more than satisfactory proportions. Quotations are unchanged.

Acid Acetic—Large volume moving with prices maintained unchanged.

Acid Lactic—Unchanged quotations named by makers who report steady movement of supplies.

Acid Oxalic—Market on a higher basis and the best that can be done on spot in any quantity is 10¾c lb. for imported material. Domestic quotations have been advanced to 10¾c@11c lb at works. Replacement values from abroad indicate still higher prices on spot as the material now in dealers hands is sold.

Alum Potash—Easy condition continues with spot stocks of fairly large proportions and buying interest slight.

Ammonium Chloride—Spot stocks continue large with buyers not interested in a way sufficient to strengthen the market. Shipment from abroad is quoted lower at 5½c lb for white, and gray at 6½c lb. Spot quotations are unchanged.

Arsenic—Sales of distressed material have weakened the market further and goods are offered at 4¾c@5½c lb with no takers for the most part.

Barium Salts—Chloride weakened still further on spot during the week and goods are offered at \$62.00 ton spot with buyers not interested. Domestic material is quoted at \$68.00@\$70.00 in bags, and \$70.00@\$72.00 in barrels, with imported prices reported met in some instances. Carbonate is unchanged and a fairly firm condition exists.

Bleach—Makers report a fairly steady condition and movement of all available supplies against contracts.

Carbon Tetrachloride—Although manufacturers report a greatly increased demand prices are firm but unchanged.

Copper Sulfate—Market continues quiet and spot material remains available at \$4.50 per 100 lb in carlots.

Epsom Salts—Large spot supplies of imported material and slight buying interest continue although quotations are firm and unchanged.

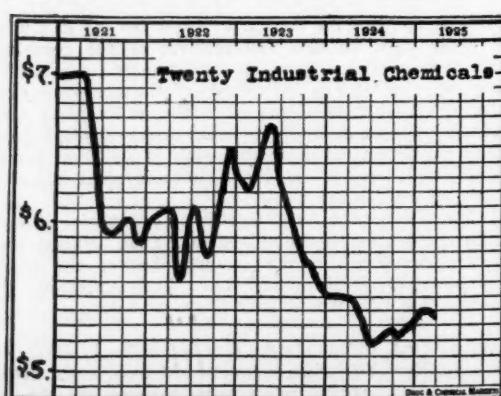
Glauber's Salt—Imported material dull at recent low prices, and spot stocks are reported large. Domestic factors report steady consuming demand at unchanged quotations.

Potash Caustic—Imported and domestic products firm and unchanged.

Potassium Chlorate—Shipment on imported higher at 7½c lb, and spot material nominal at 8c lb. Domestic material holds at 8½c lb at works.

Potassium Prussiate—Steady position maintained at unchanged quotations.

Soda Ash—Conditions in this market unchanged with



manufacturers reporting a steady movement of supplies against contracts.

Soda Caustic—Manufacturers continue to report prices firm and unchanged with heavy withdrawals against contracts preventing any accumulation of supplies.

Sodium Bichromate—Considerable decline in export demand reported, and the demand from the leather trade is not up to expectations. Dry colors makers are consuming large quantities but this does not make up for the other losses. Quotations are unchanged.

Sodium Chlorate—Steady market reported with prices for both imported and domestic products unchanged.

Sodium Fluoride—Easier on spot and quotations have been shaded to 8½c@9c lb owing to rather large holdings and slight request.

Sodium Sulfide—Steady position maintained and the demand continues sufficient to prevent very large stocks.

Sodium Nitrate—Resale material has weakened the spot market and quotations are given at \$2.67. Future shipments are offered at unchanged quotations.

Sodium Prussiate—Rather large quantities of domestic material changed hands during the week at 9¾c lb. Market is easier and is quoted at 9¾c@10c lb spot for imported material, and 9¾c@10c lb at works for domestic.

MALLINCKRODT ELECTS NEW OFFICERS

O. L. Biebinger, for thirty-seven years actively connected with the business of the Mallinckrodt Chemical Works, St. Louis, was elected president of the company at a recent meeting of the board of directors. Edward Mallinckrodt, Sr., remains as chairman of the board of directors. Other officers elected include Edward Mallinckrodt, Jr., A. C. Boylston, and H. W. Huning as vice-presidents; Dr. F. W. Russe, secretary; M. A. Frohock, assistant secretary; H. W. Simpkins, treasurer. H. W. Huning has been connected with Mallinckrodt for more than fifty years

Advices from Paris to "Drug and Chemicals Markets" say that owing to the continued rise in the price of copper and the corresponding rise in sterling exchange, the French quotations for sulfate of copper are very firm reaching 216 francs per 100 kilograms at the factory, Marseilles district. French producers have fixed a new price basis for sulfate of iron, 24 francs per 100 kilograms at the factory, Marseilles, and 25 francs for the Northern establishments.

In the French budget for 1925, voted by the Chamber of Deputies on March 1, an ad valorem tax of 2 per cent will be established on all commercial fertilizers made in France or imported into France with the exception of sulfate of ammonia, on which the tax will be only 1 per cent, according to a report to the Department of Commerce from Trade Commissioner D. J. Reagan, Paris.

Dr. John E. Teeple, speaking before the Maryland Section of the American Chemical Society, Baltimore, March 27, said that answers to a recent questionnaire sent out by the American Chemical Society showed that 33 per cent of the members are in executive or managerial positions in industry.

Monsanto Chemical Works, St. Louis, will route a portion of 30,000 tons of sulfur used in its business, annually, over the Federal Barge Line which will operate two 1,000 ton barges between New Orleans and St. Louis.

GERMAN FERTILIZER NOW COMING HERE

Leunaspelter, or ammonium sulfate-nitrate, a synthetic fertilizer which has been used successfully in Germany for ten years is now being introduced into this country for the first time. The double salt contains 26 per cent available nitrogen and combines the quick starting qualities of the nitrate with the lasting qualities of ammonium sulfate. It can be placed in the soil at the time of planting and the nitrate yields nitrogen which is available for the quick starting of the young plants without overfeeding or "burning" them, while the slower acting ammonium sulfate assures a constantly replenished supply during the growth of the plants so that the soil is not exhausted as is the case with ordinary nitrate fertilizers.

Leunaspelter is produced in a large way synthetically by air fixation at the Badische plants at Ludwigshafen and Leuna which have been supplying Germany and surrounding countries for about ten years. Figures show that its use has in some cases increased crop production anywhere up to fifty per cent over unfertilized soil. Kuttroff, Pickhardt & Co., American representatives of the Badische company, state that production has now reached a point where export on a large scale can be handled without infringing on the rights of German users and a campaign of introduction has been under way in this country for about four months. The product is giving satisfactory results, the agents say, several large trial orders having been placed. The importers are not ready to announce prices, but state that, on account of its high percentage of available nitrogen, its use will be cheaper than any other nitrogenous fertilizer on the market.

CHEMICAL EXPORTS LARGER IN FEBRUARY

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C., April 1.—February exports of chemicals and allied products showed a 3 per cent increase over the same month of last year and reached a value of \$10,967,000. Imports decreased 12 per cent amounting to \$17,351,000 in value says the Chemical Division of the Department of Commerce in discussing the chemical foreign trade for the month. Exports of industrial chemicals in February were valued at \$1,914,000 and imports \$1,734,000. A slightly greater activity was evident in February in foreign sales of ammonia and ammonium compounds, aluminum sulfate, dextrose, and glycerin. Although the quantity of sodas and sodium compounds exported advanced from 26,491,000 pounds in February, 1924, to 26,605,000 pounds in February, 1925, the value declined from \$775,000 to \$675,000. Larger amounts of borax, soda ash, and sodium silicate were sent abroad this February than last.

Of the total imports of acids and anhydrides which amounted to 4,420,000 pounds, valued at \$303,000 in February, 1925, white arsenic was the most important with 1,589,000 pounds, valued at \$127,000. The imports of potassium bitartrate, crude, were approximately one-quarter more than the preceding February, or a total receipt of 1,674,000 pounds, valued at \$112,000.

Properties of British-American Nickel Corp. are to be sold at private sale, instead of by auction, and the Supreme Court of Canada has designated the National Trust Co., Ltd., of Toronto, to conduct negotiations and submit offers by May 7. The auction had been planned originally, but only one bid, for \$5,000,000, was received and this was found by the Court to be below the upset price which the Court had previously fixed.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 970-995

LIGHT OIL DISTILLATES TURN EASY

Unsettled Gasoline Market Halts Future Buying—Easier Condition in all Products Reported—Naphthalene and Cresylic Acid Quiet—Intermediates Show No Improvement—Tobias Acid and Anthranilic Acid Scarce on Spot—Redistilled Benzyl Chloride, Mono-Chlorbenzene and R-Salt Lower.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)						
	Advanced	No Advances	Declined			
Benzyl Chloride, Redistilled, 5c lb.		Mono-Chlorbenzene, 1c lb.	R-Salt, 2c lb.			

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal.	\$24	\$24	\$24	\$1.10	\$25
Naphthalene, flake	lb.	.05	.05	.06	.16	.03
Phenol Spot	gal.	.24	.24	.24	.32	1.50
Toluene	gal.	.26	.26	.26	.26	..
Aniline Oil	lb.	.16	.16	.16	1.40	.10%
Alpha-naphthylamine	lb.	.35	.35	.35	.35	..
Benzaldehyde	lb.	.70	.70	.70	.75	..
Betanaphthol	lb.	.24	.24	.26	1.60	.08
Dimethylaniline	lb.	.33	.33	.33	.37	1.20
Paranitroaniline	lb.	.60	.60	.60	1.58	.18
Average		0.317	0.317	0.317	0.347	..

The positions of the light oil distillates have been reversed over the week and all of them have become easier. The full effect of the downward tendencies of gasoline, brought to light by a cut of 1c in tank-wagon prices, developed to quite an extent last week. Consumers are not anxious to buy large supplies owing to the fact that further reductions in crude oil point to lower gasoline prices and will probably bring about lower benzene prices and also prevent advances in other products. Consumers are reported to have adopted the hand-to-mouth buying policy that was abandoned at the turn of the year. Benzene is in an easy condition instead of being strong as it has been for some time past. Buying for the future has ceased to a great extent on solvent naphtha, xylene and even on toluene, and supplies are available on all the products for nearer positions.

Intermediates show absolutely no improvement and the total shipments for March are reported in most quarters to be sharply below the totals for February. The textile industry continues to consume heavy chemicals in large amounts, but the light shades being made do not call for large quantities of dyestuffs.

Crudes

Benzene—Position has changed from strong to easy over the week owing to a cessation of forward buying by consumers who are again buying only as they need supplies since the soft condition of the gasoline market makes benzene unsteady. Prices are reported to have been shaded by smaller factors in some instances. Some of the smaller mills have slowed down their production and this may have a steady effect.

Naphthalene—Dull situation continues with large stocks in fairly strong hands.

Pyridine—Inquiry small although stocks are not very

large. Quotations are unchanged but if the quiet condition continues lower figures will most likely be acceptable.

Solvent Naphtha—Prices unchanged but easier situation reported and supplies not being bought so far ahead.

Toluene—Although spot supplies continue scarce, an easier condition is noted in the market and nearer positions are available.

Xylene—Commercial material continues scarce on spot, although the other grades are to be had in a limited way. Quotations steady.

Intermediates

Acid Anthranilic—Crude product in a sold-up condition, and quoted nominally at 80c lb. Refined material available at 98c@\$1.00 lb.

Acid Cleve's—Steady position maintained although slight demand is reported.

Acid N & W—Rather heavy demand continues to be reported by makers at unchanged but firm quotations.

Acid Sulfanilic—Steady request reported by manufacturers who name unchanged prices.

Acid Tobias—Makers report a very heavy demand and a decided scarcity of spot stocks owing to the busy condition of the color makers. Prices are unchanged but firm.

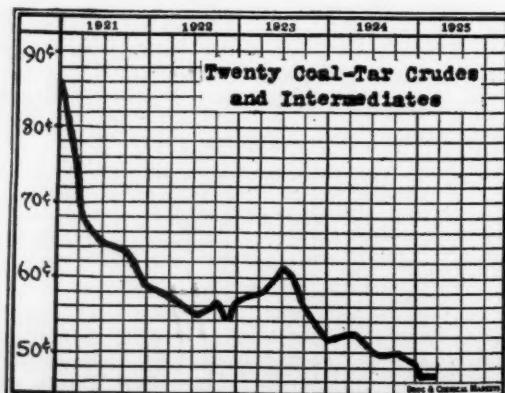
Aniline Oil—Situation remains unchanged owing to fairly steady condition of raw materials. Although shipments are of fair size, the large production tends to prevent any advance.

Benzyl Chloride—Redistilled grade lower from manufacturers at 30c@35c lb. as to quantity. Technical material unchanged at 25c@30c lb.

Beta-Naphthol—Demand reported fair although spotty. Makers quote unchanged prices.

Dimethylaniline—Shipments of much smaller volume during the past month, and competition remains sharp for the few orders for spot material.

G-Salt—Routine demand reported by manufacturers at firm quotations of 50c@52c lb.



Meta-Nitro-Paratoluidine—Routine demand reported with prices firm but unchanged.

Mono-Chlorobenzene—Lower quotations given by manufacturers at 8c@10c lb. in less than carlots of drums; and 7½c in carlots of drums.

Nitro-Benzene—Unchanged prices maintained in all quarters with no increase in the volume moving reported.

Para-Nitroaniline—Market fairly steady although competition is reported keen. Quotations unchanged.

Para-Nitrotoluene—Large stocks available and market continues weak at last week's reduction to 38c@40c lb. as to quantity.

Para-Phenylenediamine—Demand described as only routine with prices barely steady.

Para-Toluidine—Easy condition continues and manufacturers report accumulating stocks with the market soft.

R-Salt—Supplies reported plentiful at lower quotations of 45c@47c lb.

METZ FORMS NEW DYE COMPANY

Herman A. Metz has incorporated General Dyestuff Corp., in New York state. Six thousand shares of no par value stock are held equally by Mr. Metz, Almuth C. Vandiver and A. A. Vantine, attorneys, at 37 Wall st. Mr. Vandiver said the new corporation would deal in dyes, and that its offices were already open at 122 Hudson st., general headquarters of Mr. Metz's many companies. Mr. Metz is in Bermuda.

Less than half as much dead or creosote oil entered the United States during February than in the previous February, which is largely responsible for the large decline in imports. The imports of colors, dyes and stains during the current February were 425,000 pounds, valued at \$566,000, and the exports 2,067,000 pounds, valued at \$602,000.

Whereas the difference of one day in exports of coal-tar chemicals probably accounted for the 4 per cent loss during February compared with the previous February, it does not account for the big drop of 40 per cent in imports. However in spite of the big differences, imports valued at \$1,365,000 in February were \$468,000 above exports.

During January 73,400 pounds of benzene and toluene valued at \$2,642, were imported into the United States, 23,114 pounds of coal tar acids valued at \$5,269 and 209,071 pounds of other immediate products valued at \$41,942.

The National Association of Textile Dyers and Finishers met at Providence, R. I., Saturday, March 21. About 90 members were present. A gold-mounted ivory gavel was presented to past president James J. Burns.

The Customs Service of the Treasury Department has announced an allowance of drawback on dyes manufactured by E. I. du Pont de Nemours Co. with the use of imported sodium nitrate.

Imports of alizarin and derivatives in January amounted to 325 pounds, valued at \$991; imports of indigo and indigoids totaled 1,287 pounds, valued at \$2,052.

A. Lincoln Yalden has sold Lincoln Yalden Co., dye, glue and ink manufacturers, to Joseph M. Mangiere who will carry on the business.

American Creosote Works, Southport, La., has been awarded a government contract for 40,000 gallons creosote oil at 15c gal.

COMPETITIVE DYE CASES ARGUED

(*Special to DRUG & CHEMICAL MARKETS*)

Washington, D. C. April 1.—Arguments were held last week before the United States Court of Customs Appeals in dye cases including H. A. Metz & Co. and Kuttroff, Pickhardt & Co. The main point argued by attorneys for the Government and the domestic dye industry was whether certain imported dyes compete in the American market with domestic dyes. Attorneys for the imports contended that the dyes are not competitive within the language of the law.

SAYS BRITISH DYES ARE HIGH

Speaking before the British Chemical and Dyestuffs Traders' Association in London, last week, F. F. Reynolds, vice president of the Association, said that prices of dyes in England average 75 per cent higher than those prevailing in foreign countries. He cited specifically the cost of 20 per cent synthetic indigo, saying that the price in England is 1s 4d per pound in comparison with from 7½d to 10d per pound in the United States, France, Germany, Japan and China, all of which countries are competing with Great Britain in manufacturing textiles.

Mr. Reynolds blamed the Dyestuffs Act which he said restricted the importation of choice foreign dyes. He claimed that as a direct result of the high dye prices due to the workings of the act, the textile industry is sustaining a loss of trade, which he estimated at about £2,000,000 annually, or approximately \$9,600,000.

TREATING DISEASES BY USE OF DYES

A method of dyeing bacteria to aid in curing diseases is reported to the American Chemical Society by Dr. John W. Churchman, of the Loomis Laboratory, Cornell Medical School. Dr. Churchman says the treatment of infected throats, middle ear disease, suppurating joints and infected wounds has been greatly advanced by the study of aniline dyes. The treatment of pyorrhea seems likely to be put on a sound basis by the use of dyes, and it is not at all unlikely that their use may make it possible to abort skin infections without incision.

"The aniline dyes have also been used to combat general infections by injection into the blood," he continues. "The results are very difficult to interpret. While a warning should be issued against over-enthusiasm, it seems quite likely that studies with the dyes will lead to a revision of certain of our ideas in this field and not improbable that we shall soon be able to combat many cases of septicaemia successfully."

Imports into Canada of aniline and coal tar dyes during February were as follows: From Britain 40,191 lbs. value \$11,217; United States 71,176 lbs. value \$44,036; Germany 45,911 lbs. value \$21,479; Netherlands 31,171 lbs. value \$17,069; Sweden 3,628 lbs. value \$2,350; Switzerland 9,777 lbs. value \$10,115; other countries, 7,172 lbs. value \$2,533; total 209,026 lbs. value \$110,799; compared with imports in February, 1924 as follows: From Britain 15,096 lbs. value \$8,319; United States 158,185 lbs. value \$89,717; Germany 37,245 lbs. value \$21,542; Netherlands 11,778 lbs. value \$6,180; Sweden 7,600 lbs. value \$5,933; Switzerland 6,459 lbs. value \$4,396; total 236,363 lbs. value \$136,093.

F. C. Teipel, of F. C. Teipel & Co., New York American sales agent for Shields & Ramsey, Glasgow, coal-tar chemicals, will sail for Europe early in May and visit Germany and Great Britain, returning about the middle of August.

The Oil Market

Current Spot Quotation of Oils, Tallow, Greases, pages 995-996

TALLOW, GREASES AND LARD OIL LOWER

Animal Oils Weaken in Dull Market—Vegetable Oils Unsettled — Chinawood Oil Higher—Rapeseed Oil Up Due to Scarcity—Cottonseed Oil Lower—Linseed Oil Down Sharply—Olive Oil Lower—Olive Oil Foots Higher—Palm Lagos Shaded.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Chinawood Oil, bbls., $\frac{1}{2}$ c lb. Olive Oil Foots, $\frac{1}{2}$ c lb.
Rapeseed Oil, 1c gal.

Declined

Cottonseed Oil, P.S.Y., $\frac{1}{2}$ c lb. Linseed Oil, 3c gal.
Greases, $\frac{1}{2}$ c to 1c lb. Olive Oil, 2c gal.
Lard Oil, $\frac{1}{2}$ c to $\frac{3}{4}$ c lb. Palm Lagos, $\frac{3}{4}$ c lb.
Tallow, $\frac{1}{2}$ c lb.

Trend of the Market

	Last Day	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N. F.....gal.	\$62	\$62	\$62	\$67	\$1.26	\$26%
Degras, American, bbls./lb.	.04%	.04%	.04%	.04%	.23	.08%
Lard No. 1 .....	.91	.91	.91	.81	.29	.92
Menhaden, crd. tks....gal.	.55	.55	.55	.50	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.24%	1.24%	1.20%	1.35	3.45	.95
Red Oil, distilled .....lb.	.12	.12	.12	.09%	.17	.07
Stearic Acid, T. P.....lb.	.16%	.16%	.16%	.18%	.33	.12
Coconut, Ceylon, bbls...lb.	.10%	.10%	.09%	.10	.30	.14
Cottonseed, crude, tanks lb.	.07%	.09%	.09%	.08%	.25	.08
Linseed, crude .....gal.	.06	1.09	1.20	.90	1.85	.57
Olive, denatured .....gal.	1.20	1.22	1.30	1.25	4.50	1.05
Peanut, refined .....lb.	.15	.15	.14%	.16%	.30	.08
Soya Bean, bbls.....lb.	.18	.13	.13%	.12	.19%	.07
Average	0.497	0.497	0.524	0.481	1.20	0.362

The past week was probably the quietest week so far this year in the market for fixed oils. Trading is strictly along routine lines in all quarters, and considerable decline has been noticed in the volume of material moving into customers' hands. Prices were fairly well maintained, and advances were made in some products, due to a scarcity of spot stocks or the elimination of weak holders. The animal oils continue in an unsettled state with tallow declining over the week. Linseed oil is unsettled following a break in the seed market which was said to be caused by speculators selling their holdings. Factors generally cannot foresee an improvement at any definite time in the near future.

Vegetable Oils

Castor Oil — Routine demand continues with prices firm and unchanged.

Chinawood Oil — Market continues quiet but weak holders have been eliminated to the extent that active bidding for goods in barrels on spot at 13c lb has brought no offers, and nothing is available under 13 $\frac{1}{4}$ c@13 $\frac{1}{4}$ c lb. Spot tanks are not available and quotations are nominal. Tanks at the Pacific Coast are easier at 11 $\frac{1}{2}$ c@12c lb.

Coconut Oil — Ceylon is lower in tanks at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ c lb; barrels are unchanged. Cochin is also lower in tanks at 10 $\frac{1}{4}$ c lb; and Manila tanks are down to 9 $\frac{1}{2}$ c lb.

Corn Oil — Crude prices fairly well maintained in all quarters. Refined in routine request with prices unchanged.

Cottonseed Oil — Crude slightly higher at 10c lb. P.S.Y. lower with factors quoting 10 $\frac{1}{2}$ c@11c lb as to position from April to October. Winter yellow quotations are unchanged.

Linseed Oil — Unsettled condition exists owing to a sudden break in the seed market caused by speculators unloading. Buying was active before the break. Quotations have been reduced 3c gal. and crushers name \$1.06 for carlots of barrels, and \$1.03 for tanks from April to August; and \$1.12 for five barrel lots. Markets opened this week as follows: Winnipeg, May \$2.38; July \$2.39; Oct. \$2.22%; Duluth April \$2.74%; May \$2.75; July \$2.73; Minneapolis May \$2.80; July \$2.80; Buenos Aires May \$2.13%. Linseed oil at London is lower at 45/6; and at Antwerp it is down to 400f.

Olive Oil — Further reductions made in quotations for denatured owing to heavy stocks in weak hands; factors are now running \$1.20 @ \$1.25 gal.

Olive Oil Foots — Slightly higher prices quoted for spot and shipment owing to smallness of spot stocks and firmer conditions abroad. Spot material is not obtainable under 9 $\frac{1}{2}$ c lb; and shipments are named at 9 $\frac{1}{4}$ c lb. Imports at New York were 1100 bbls.

Palm Oil — Lagos slightly lower on spot at 9 $\frac{1}{2}$ c@9 $\frac{1}{2}$ c lb in casks. Niger firm at unchanged prices. Imports at New York were 1,333 bbls.

Peanut Oil — Steady market maintained for both the crude and refined materials with prices unchanged.

Rapeseed Oil — Scarcity of spot supplies has brought another advance in quotations for spot material to 96c@-97c gal. Blown unchanged at \$1.14.

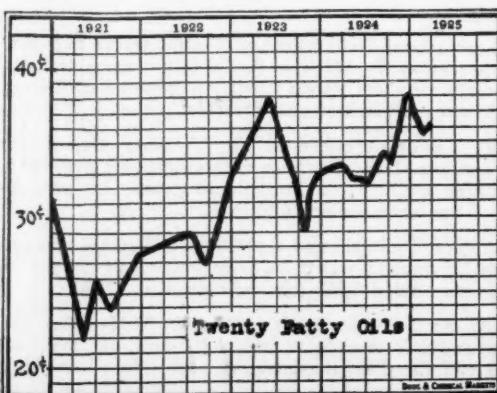
Sesame Oil — Situation steady with prices unchanged.

Soya Bean Oil — Fair inquiry reported by holders who report no difficulty in maintaining recent quotations.

Animal Oils

Greases — Yellow quoted lower at 9c lb; brown down to 9c lb; house reduced to 8 $\frac{1}{2}$ c lb; and choice white unchanged at 13 $\frac{1}{2}$ c lb.

Lard Oil — Manufacturers report an accumulation of stocks on some grades with a consequent reduction in quotations. Edible prime is offered at 19 $\frac{1}{4}$ c lb; off prime is down to 17 $\frac{1}{4}$ c lb; extra is cut to 15 $\frac{1}{4}$ c lb; and



extra No. 1, No. 1 and No. 2 are holding at recent prices.

Neatsfoot Oil—Manufacturers report a steady demand for all grades at unchanged prices.

Oleo Oil—Increased movement of supplies reported by manufacturers who claim that the easiness has disappeared from the situation and that a steady position is being maintained.

Stearic Acid—Despite the sold-up condition of some manufacturers, supplies are available at the recent schedule of prices with double pressed named at 4½c in carlots, and 15c@15½c lb in less than carlots; and triple pressed at 16½c lb in carlots, and 17c@17½c lb in less than carlots. These quotations cover both distilled and saponified material.

Stearine Oleo—Steady demand reported with prices unchanged from makers.

Tallow—Slackening in the movement of this material has brought a reduction over the week to 10½c lb for edible; and 9c lb for city extra loose.

Tallow Oil—Makers report fair request for acidless at recent prices.

Fish Oils

Cod Oil—Quiet condition continues with available supplies firmly held.

Menhaden Oil—Only a fair inquiry reported by factors who name unchanged prices.

Sperm Oil—Holders are maintaining prices despite slight demand.

Wood oil production in China in 1924 totaled 75,000 tons, according to Consul General P. S. Heintzleman, Hankow. Exports from China and the imports into this country for October 1924, were respectively, 16,600,000 lbs., and 14,100,000 lbs.; for November 1924, 16,455,000 lbs., and 10,534,000 lbs.; and for December 1924, 11,100,000 lbs; and 10,000,000 lbs. The full effects of the heavy shipments from China in the last quarter of the year were not felt in this country owing to the fact that large quantities were in transit. Due to light shipments during the first three quarters, the total for 1924 was only 81,587,854 lb, against 87,291,675 lb for 1923.

The Federal Trade Commission issued an order requiring the Johnson Process Glue Co., a New York manufacturer of flexible glues and allied products, to discontinue offering money to employees of companies. The Commission found that the Johnson company has offered and given to superintendents, foremen, and employees of customers substantial sums of money to influence employers to purchase Johnson products. A specific instance recited is that an authorized agent offered employees of a large Chicago firm \$500 for the first carload of product which they would persuade their firm to purchase.

President Coolidge is not likely to take immediate action in connection with the Tariff Commission's report on linseed oil, according to officials of one of the large farm organizations who are supposed to be in close touch with the linseed tariff report. It has been stated that the President has referred this report to both the Department of Agriculture and the Department of Commerce. Officials of the Department of Commerce deny that they have the report. A great deal of pressure has been brought to bear upon the President in connection with the linseed tariff, and he is studying all phases of the subject.

Oil Trade Notes

Imports of China wood oil in January amounted to 9,079,825 pounds, valued at \$1,108,316.

Dearborn Chemical Co., Chicago has been awarded a government contract for 5,000 lb. rust preventing compound at 9½c lb.

Flaxseed imports in January totaled 678,445 bushels, valued at \$1,628,245, and imports of linseed oil 596,873 pounds, valued at \$62,156.

Edwin Dodd and W. A. Fairclough, of Fairclough, Dodd & Jones, London, large factors in naval stores trade, are investigating naval stores conditions in the South in this country.

British Oil & Cake Mills, Ltd., has completed arrangements for the purchase of the seed crushing business of Owen Parry, Ltd., George Armstrong & Co., Ltd. and Walter Graham & Co. Ltd.

Arthur C. Trask Co., Chicago dealer in oils, greases, and tanning materials, has taken a warehouse at 125 W. 46th Place. The company's office will be moved to the warehouse. The new telephone is Boulevard 2030.

Corn Products Refining Co., has declared regular quarterly dividends of 50 per cents on the common and \$1.75 on the preferred. Common dividend is payable April 20 to stock of record April 6 and preferred April 15 to stock of record April 6.

Paints made of double iodide of mercury and copper or mercury and silver, which change color on heating and return to normal color on cooling, are being used as indicators for certain manufacturing processes where excessive heat must be avoided.

Chemical Depot, a recent New York State incorporation, will act as the sole agent in the United States and Canada for Chemische Fabrik Stoltzenberg, Hamburg, manufacturers of compressed gases and absorbent carbons. Offices will be located at 81 Fulton st., New York.

The Beach Soap Co., Lawrence, Mass., reports a surplus of \$85,843 at close of 1924. Statement shows accounts receivable \$42,547 and cash \$7,447, against accounts payable \$8,960 and notes payable \$55,000. Merchandise was valued at \$126,712 and there is \$51,552 invested in securities. Real estate and machinery are valued at \$176,000.

Secretary of Agriculture Jardine is actively opposing the move to reduce the tariff on linseed oil on the ground that such a reduction would encourage farmers to reduce acreage devoted to flaxseed and increase that for wheat. He states that we are now importing flaxseed and exporting wheat whereas we could grow enough flaxseed to meet our needs if the farmers had sufficient incentive.

Progress Paint Manufacturing Co. and Regulation Paint Co. of Louisville, Ky., are charged in a complaint issued by the Federal Trade Commission with using unfair methods of competition in the marketing of paint and paint products in such a manner as to create the impression that their paint is surplus Government goods. Regulation Paint Co. is a subsidiary of the Progress Paint Manufacturing Co., and acts as selling agent in the distribution of paint manufactured by the parent company.

Miscellaneous Rate Materials

Heavy Chemicals 970-995, Tan and Dyestuff, pages 970-995; Fatty Oils, 995-996

BRITISH GUM HIGHER: STARCHES LOWER

Only Slight Changes in Sizing Prices—Dextrins firmer—Gum Arabic May Become Scarce—Maker Reduces Prices of Vegetable Albumen—All Fertilizer Materials Show Strength on Active Demand—Domestic Casein Easier.

Although activity in the fields for miscellaneous chemical raw materials, has been mixed this week, the strength of all fertilizer products, based on good demand, has been the outstanding feature. Inquiry for products for the textile trades has been more or less limited, except from some of the cotton print plants. Slight changes in prices for sizing materials have been noted. British gum and dextrins are a trifle higher, while starches tended lower this week. Based on imports of gum arabic and reports from primary markets, a shortage of this material, especially amber sorts, may develop later in the year. The manufacturer of vegetable albumen has reduced the price. Sulfate of ammonia, nitrate, phosphates, nitrogenous material and all rough ammoniates have shown decided strength during the week. The price for domestic casein is slightly lower.

ACCELERATORS

Aniline Oil—See Dye and Intermediate Market report.

Diphenylguanidine—Steady market being maintained by makers who report usual routine demand at recent quotations.

Hexamethylene—Fair demand reported over the week by manufacturers who quote unchanged prices.

Thiocarbanilide—Firmer condition noted in this market and makers are adhering strictly to their schedules.

ALBUMENS

Blood—Routine movement continues with prices unchanged.

Egg—Market remains easy with prices for edible at \$1.22@\$1.24 lb and technical at 95c@\$1.15.

Vegetable—Maker has reduced the price of the edible product to 70c@75c lb due to increased efficiency in manufacture.

CLAYS AND FILLERS

Barytes—Steady volume of business being done at unchanged prices. Imports for last week, 2,385 bags.

Blanc Fixe—Moving in large volumes at slightly stiffer prices. Dry quoted at \$80@\$90 ton, pulp unchanged at \$55@\$65 with imported dry at \$70@\$72.

Clay—Business is of a routine nature in filling orders placed at the beginning of the season. Movements are reported to be large.

Talc—Normal activity continues in this commodity with no price change named.

Whiting—No change in this situation with prices steady and activity fair.

COLORS AND PIGMENTS

Antimony Sulfurette—Further weakness in the metal has failed to disturb the firm condition of this material.

Blues—Steady position maintained in all quarters on Chinese and milori which are moving in fair volume. Prussian and soluble prices also maintained without difficulty.

Carbon Black—Market maintained with quotations un-

changed. Makers report a steady movement of supplies into consuming quarters.

Chrome Colors—Yellows firm at unchanged prices with makers reporting large movement against contracts. Greens are likewise in good inquiry at firm prices.

Iron Oxide—Steady movement of imported and domestic products continues to be reported with quotations on both materials firm and unchanged.

Lithopone—Firm condition exists in this market and makers report stocks of fair proportions.

Red Toners—Active demand reported for para toner with prices unchanged but firm. Toluidine toner holding steady under good demand.

Vermilion—Spot supplies scarce and prices are very firm with \$1.45 lb quoted as an inside price, and \$1.50 named in most quarters.

Zinc Oxide—Market steadily maintained with quotations unchanged. Large volume reported moving.

DYE AND TAN WOODS

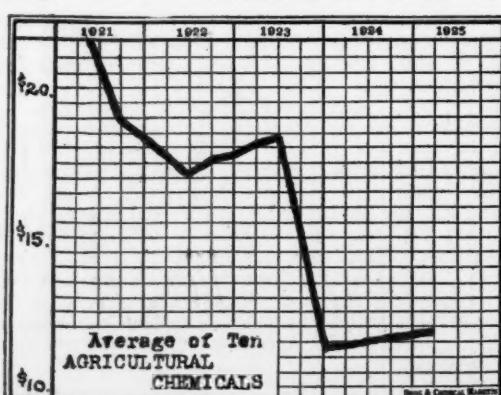
Divi-Divi—Still difficult to obtain with no new imports reported last week. Price quotations range around \$53@\$55 ton.

Myrobalans—Attempts to use this as a substitute for sumac have caused producers to strengthen their position considerably. JI's are now reported at \$70 ton, J2's at \$61 and R2's at \$50 for shipment. No spot prices are quoted.

Sumac—Further reductions have been effected in this market, two shipments being received last week at \$125

Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.95	2.95	2.95	2.90	7.75	2.65
Arsenic .....	.04%	.05	.05	.11%	.18	.04
Copper Sulfate	100lbs. 4.70	4.70	4.70	4.90	20.00	4.05
Paris Green .....	.21	.21	.21	.30	.50	.11
Potash Muriate, 90%.....ton	34.55	34.55	34.55	34.55	..	..
Potash Sulfate, 90%.....ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16%.....ton	10.00	10.00	9.50	7.50	21.00	15.00
Phosphate, Rock 68%.....ton	2.50	2.50	2.25	2.25	11.00	3.00
Sodium Nitrate	100lbs. 2.67	2.60	2.66	2.52	5.00	1.90
Average		11.748	11.750	11.672	11.488	103.59
						13.84



for ground and \$140 for leaf. Still further reductions are expected soon.

Valonia—A somewhat stiffer condition prevails here with cups up to \$38, beards to \$55 and mixtures to \$45@\$46 ton.

Wattle—Prices continue steady at unchanged prices.

EXTRACTS

Archil—No change has developed in this situation although some sellers are anticipating an advance soon.

Chestnut—This continues in fair activity with stocks and demand about equalized at unvaried prices.

Gambier—Prices remain unchanged with somewhat smaller demand and low stocks on hand.

Hematine—Situation shows no change with prices steady.

Logwood—Routine business being done at unchanged prices.

Myrobalans—Increased strength shown but prices have as yet shown no advance.

Osage Orange—Market is weak at unchanged prices.

Quebracho—Strength is indicated for this market but prices are holding to former figures.

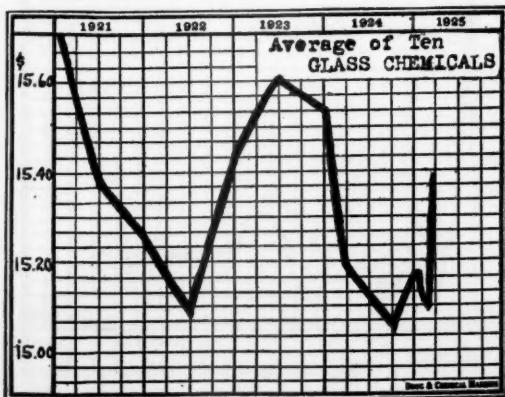
FERTILIZERS

Ammoniates—The long looked for season is now on in full swing and business is being done in large tonnages but prices show very little change. Dried blood has advanced to \$3.60 in New York but remains unchanged at \$3.40 in Chicago. Steamed bone shows no price change continuing to quote at \$32.50@\$33.00 in Chicago with the raw bone in New York scarce at \$36 ton. Fish scrap continues scarce and will do so until the fishing season opens, prices remaining unchanged. Tankage is moving in large volume at stronger prices of \$3.50@\$3.75 in New York and \$3.00@\$3.25 in Chicago.

Ammonium Sulfate—Prices are holding to established figures with business being done in a large way, particularly in the South.

Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic	.100lb. \$4.75	\$5.00	\$5.25	\$11.50	\$18.00	\$4.00
Fluorospat, 96% c.i.f.	ton \$33.50	33.50	34.00	33.50	60.00	28.00
Limestone, ground	ton 4.50	4.50	4.50	5.00	8.50	4.00
Litharge	.100lb. 12.50	12.50	12.75	11.50	17.00	9.00
Salt Cake	ton 20.00	20.00	18.00	20.00	40.00	15.00
Silica, crude	ton 6.00	10.00	10.00	10.00	20.00	8.00
Soda Ash, dense	.100lb. 1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride	.100lb. 4.25	4.25	4.50	6.00	10.00	3.50
Sodium Sulfate, anhyd.	.100lb. 3.00	3.00	3.00	3.75	8.00	2.50
Tin Oxide	.100lb. 59.00	59.00	61.00	60.00	100.00	60.00
Average	14.895	15.320	15.445	16.170	28.56	13.07



Acid Phosphate—No price change is shown but large volumes moving in trade.

Cyanamide—Producers report their peak deliveries with prices steady.

Nitrogenous Material—Lack of forward buying earlier in the year has caused somewhat of a shortage with shipments now quoted at \$3.35 c.i.f. Atlantic ports.

Potash Salts—Prices continue at guaranteed figures with business being done in a large way.

Phosphate Rock—Large deliveries are under way at recently advanced prices. French competition is making serious inroads into export trade, but if the franc recovers American material will probably be able to resume its place in the foreign market.

Sodium Nitrate—See Heavy Chemical Market Report.

Cottonseed Meal—No change seen for this item with prices steady at recently announced figures.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market report.

Calcium Arsenate—Situation unchanged, and some holders continue to unload at 6c@7c lb while most strong manufacturers are not offering under the present market conditions. Buying is being done in very small volume.

Copper Carbonate—Steady demand continues and factors are holding their prices unchanged.

Copper Sulfate—See Heavy Chemical Market report.

Lead Arsenate—Quiet condition still exists in this material, and price shading continues in an effort to encourage buying.

Nicotine—Fair volume reported moving with prices steady in most quarters.

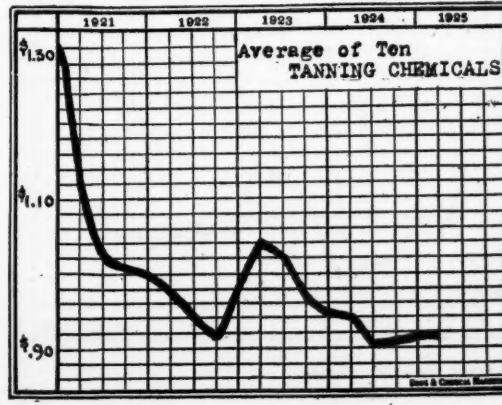
Paris Green—Buying is not being done in very great volume, as yet, but manufacturers are quoting firm and unchanged prices.

METALS

Antimony continues to weaken and is named at

Leather Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.37	\$17.00	\$1.50
Acid, Formic, 90%	.11	.11	.10	.13	1.50	.07
Acid, Lactic, 22% dark	.05	.05	.05	.05	.07	.02
Potassium Bichromate	.08	.08	.08	.09	.65	.064
Epsom Salt, tech.	1.70	1.70	1.70	1.80	3.75	1.00
Sodium Prussiate, Imp.	.09	.10	.10	.11	1.25	.08
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	4.10	.69
Sodium Bichromate	.06	.06	.06	.07	.45	.044
Sodium Hyposulfite, peat.	2.50	2.50	2.50	2.75	3.75	1.80
Sodium Sulfide, 60% wks.	.04	.04	.04	.03	.10	.024
Average	0.916	0.916	0.915	0.981	3.267	0.528



[APRIL 1, 1925]

13½c@14c lb spot. Copper declined sharply over the week to 13½c@13½c lb for Lake, and 13½c@13½c lb for electrolytic. Lead declined further here after declining abroad and at the close was quoted at \$8.10 per 100 lb at East St. Louis, and \$8.50 at New York. Tin registered a sharp downward movement to 52½c lb. Zinc reached a low point at \$7.05 per 100 lb at East St. Louis, and \$7.40 at New York.

NAVAL STORES

Rosins—Demand was fairly active over the week and factors were unwilling to shade quotations. Prices on all grades except two are unchanged since last week, the only change being in H and I which declined 10c to \$8.35 per 280 lb.

Pine Oil—Offerings were light and prices were easily maintained at recent quotations despite a rather slight demand.

Rosin Oils—Prices were well maintained due to a fairly active demand.

Tar and Pitch—Offerings are not in over-supply and prices are firm in practically all quarters.

Turpentine—Easier condition noted during the week owing to lack of interest on the part of consumers. Prices were reduced on local stocks to 90c gal. for spirits, and 80c gal. for wood.

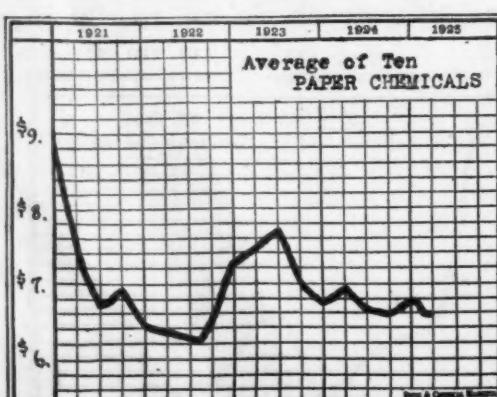
(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., March 28.—Rosins closed firm at prices unchanged from last week's closing. New crop material should be arriving in sufficient quantity in two or three weeks so that buyers will make their ideas on values known. Demand is active although receipts are fairly heavy. Closing prices were: B \$6.70; D \$6.80; E \$6.90; F \$6.95; G \$7.00; H \$7.10; I \$7.15; K 7.45; M \$7.90; N \$8.20; WG \$8.25; WW \$9.25; X 9.35.

Paper Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Rosin F grade	8.30	8.20	8.25	5.70	4.50	20.25
Bleaching Powder	1.90	1.90	1.90	1.90	0.50	1.50
Casein .....	.13	.13	.13	.10½	.28	.20
China Clay, Dom.	10.00	10.00	10.00	10.00	25.00	8.00
Chlorine c/l Cyl. ....	.05%	.05%	.05%	.05%	.50	.08
Salt Cake	17.00	17.00	17.00	20.00	80.00	11.00
Sodium Silicate, 40° .....	.80	.80	.80	.80	1.75	2.00
Soda Ash, 58% wks....	1.38	1.38	1.38	1.38	4.10	.69
Sulfur	18.00	18.00	18.00	18.00	65.00	20.00
Rosin F grade	8.30	8.20	8.25	5.70	4.50	20.25
Average	5.956	5.946	5.951	6.020	13.50	5.58

Average of Ten
PAPER CHEMICALS



INDUSTRIAL CHEMICAL SECTION

Receipts for the week totaled 3,295 bbls.; stock to-day is 51,922 bbls.

Turpentine closed ¾c below last week at 84½c with good steady buying being done each day and total sales for week exceeding receipts. The new crop goods are coming in larger quantities each week and prices down to 80c are anticipated for April. Futures for 5,000 bbls. are reported sold this week for positions from May to October. Receipts for week were 725 bbls.; stock on hand is 2,704 bbls.

Jacksonville, Fla., March 28.—Turpentine closed firm at 84½c with 88 bbls. carried over. A decline is thought likely for coming week. Rosins firm with B \$6.70; D \$6.80; E \$6.90; F \$6.95; G \$7.00; H, I \$7.15; K \$7.25; M \$7.95; N \$8.20; WG \$8.25; WW \$9.25; X \$9.30. Turpentine stocks 16,390 bbls. Rosin 88,736 bbls.

STARCHES, DEXTRINS AND SIZES

Amber Sorts—See Crude Drug Markets—Arabic Gum.

British Gum—Although demand is of a hand to mouth nature, increased cost of raw material has advanced the price to \$5.02@\$5.12 100 lb as to quantity.

Casein—Domestic has eased off about half a cent, now being quoted at 13c lb for ordinary mesh and 16c lb for 100 mesh. Imported remains unchanged at 13c@-13½c lb. Impots for last week, 417 bags.

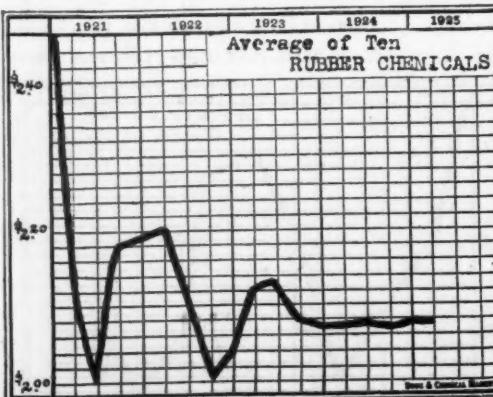
Dextrin—Demand continues quiet with prices advanced to \$4.72@\$4.82 as to quantity for white and \$4.77@\$4.87 for yellow. Potato remains unchanged.

Starches—Inactive demand has caused a decline to \$4.07@\$4.17 100 lb as to quantity purchased for the powdered and \$3.97@\$4.07 for pearl. Imported potato is up to 6½c@7c lb and wheat up to 6½c@7c for domestic and 7½c@7¾c for imported. Rice remains unchanged.

Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim..	\$39	\$39	\$39	\$39	\$45	\$35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black .....	.09	.09	.09	.12	.30	.14
China Clay, Imp.....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82%	.82%	.82%	.82%	1.85	
Iron Oxide, Spain.....	.03	.03	.03	.03	.04%	.05
Lithopone .....	.06%	.06%	.06%	.06%	.08	.04
Sulfur	3.00	3.00	3.00	3.05	6.50	2.75
Whiting, Dom.	14.00	14.00	14.00	14.00	20.00	11.00
Zinc Oxide, Amer. ....	.08%	.08%	.08%	.07%	.09%	.09
Average	3.454	3.454	3.454	3.463	5.937	..

Average of Ten
RUBBER CHEMICALS



NEW ENGLAND DYE TRADE, DULL

(Special to DRUG & CHEMICAL MARKETS)

Boston, Mass., April 1.—With business expanding very slowly, and in many divisions, none at all, in the textile and leather industries, there is a conspicuous lack of activity in the chemical and dyestuff trade of New England. During the week there was a slightly better demand for spot lots of various chemicals, largely used in the bleachery trade, as a result of the depleted stocks in most manufacturers hands, but deliveries against contracts are being deferred in numerous instances upon request of buyers. Dyestuffs for the textile trade are very quiet.

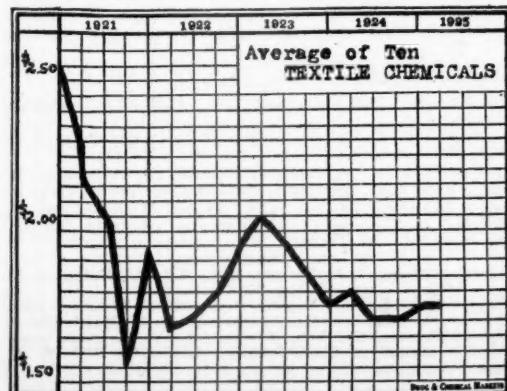
At a recent meeting of the Silk Association, Wm. A. Hamann of Roessler & Hasslacher Chemical Co., spoke on the urgent necessity of supporting the American chemical industry. He pointed out that if the American industry is not supported now when production of dyestuffs is keeping ahead of demand, the consumer would again "find himself in the hands of interests who, having no desire for the upbuilding of American industries will do their best to crush them, and later gouge the consumer".

Improvements to cost approximately \$7,000,000 will be made to the plants of the Viscose Co., at Marcus Hook, Pa. The expansion which will be effected at both the Marcus Hook and the Roanoke, Va., units will enable an annual output of 45,000,000 pounds of artificial silk. The announcement carried plans for construction at Marcus Hook which will entail an expenditure of about \$3,500,000, and which will require about a year to complete.

Glogau & Co., Chicago, American manufacturers of vegetable albumen, have announced a 10c reduction in price due to increased production with improved machinery. The price is now 70c@75c lb. The new address of Glogau & Co., Chicago, is 538 South Clark St.

Textile Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre- War
Acid, Acetic, 28%	\$3.12	\$3.12	\$3.12	\$3.37	\$17.00	\$1.50
Acid Oxalic	.10%	.10%	.10%	.10%	.70	.10%
Bleaching Powder	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate	4.70	4.70	4.70	5.00	20.00	4.50
Epsom Salt, U.S.P.	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt	1.25	1.25	1.25	1.30	2.50	.80
Potash, Caustic, Imp.	.07%	.07%	.07%	.06%	.87	.12
Soda Ash, 58% wks.	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks.	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate	.06%	.06%	.06%	.07%	.45	.04%
Average	1.784	1.784	1.785	1.843	4.800	1.25



U. S. INDUSTRIAL ALCOHOL EARNED \$11.47

Net income of U. S. Industrial Alcohol Co. for 1924 was \$2,752,462, equal to \$11.47 a share on the outstanding common stock. In 1923 the company reported net income of \$2,705,500, which was equal to \$11.27 a share. The earnings were the largest since the war. The detailed statement shows that the current assets include \$1,825,192 cash on hand and in banks, \$3,485,362; accounts and bills receivable and inventory valued by the company at \$3,655,533. Additions to property account during the year 1924 amounted to \$1,304,284.

The consolidated balance sheet of Dec. 31, 1924, showed net current assets of \$8,966,117 and net current liabilities amounting to \$1,103,030, leaving net working capital of \$7,863,087, against \$5,840,604 at the end of the previous year.

Horatio S. Rubens, president and Chairman of the Board, in his report says that the current liabilities consist exclusively of accounts payable, as all of the company's bank loans have been paid off.

U. S. SMELTING RESUMES DIVIDENDS

United States Smelting and Refining Co. has resumed dividend payments on the common stock for the first time since January, 1921. A quarterly dividend of 75 cents a share was declared on March 27, placing the stock on a \$3 annual dividend basis. The dividend is payable April 15, to stockholders of record April 6.

The company's report for 1924 showed total income of \$6,172,412 after all expenses and operating charges. This compares with total income of \$4,726,864 in 1923. After reserves for depreciation and depletion and Federal tax reserves, the company reported net profit of \$1,799,946 for 1924, against net profit of \$2,178,090, reported after similar reductions in 1923. The net profit for 1924 was equal to 27 cents a share earned on the 351,117 shares of common stock of \$50 a share par value outstanding, after allowing for preferred dividend requirements. In 1923 the company earned \$1.35 a share on the common stock.

It is stated that the earnings of the company during the first two months of 1925 amounted to \$1,257,900 after all charges.

The Pennsylvania legislature has passed an amendment to the existing Fertilizer law prohibiting the sale of any commercial fertilizer containing less than fourteen per cent plant food, or less than 1 per cent ammonia, available phosphoric acid (P_2O_5) or water soluble potash (K_2O). The new amendment also forbids the sale of any commercial fertilizer using the word "tobacco" as part of its brand or name which contains any chloride of potash. James W. Kellogg, chief chemist of the Department of Agriculture, sponsored the measure.

A fire in the drying room of Certain-teed Products Corporation's plant at Trenton, N. J., on Monday damaged thousands of yards of linoleum. It was the third fire in a month.

Pepperell Manufacturing Co., Biddeford, Me. is planning the erection of a 20,000 spindle cotton mill at Opelika, Ala.

Diamond Match Co. reports net income for 1924 after all deductions as \$1,694,806 or \$9.98 a share against \$1,702,320 or \$10.03 a share in 1923.

Monsanto Chemical Works filed judgment in New York county, this week, against Harry Lichtenberg for \$2,617.89.

Wm. Schield Mfg. Co., Washington, has been awarded a government contract for 2,784 cans lye at 6 $\frac{1}{4}$ c.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending March 28

Bid	Asked	Bid	Asked
*Air Reduction	99½	Hercules Powder	104
*Allied Chem. & D.	83	Hercules Powd., pf.	105
*Allied C. & D., pf.	117½	Heyden Chem.	13½
*Am. Ag. Ch.	14½	Hoover Electro	12
*Am. Ag. Ch., pf.	40	Hoover Electro, pf.	40
*Am. Chicle	58½	*Household Products	36
*Am. Chicle, pf.	97	*Int. Agricult.	9½
*Am. Cyan.	137	*Int. Agricult., new	94
*Am. Cyan., pf.	84½	*Int. Nickel	26½
*Am. Druggist, S.	5½	*Int. Nickel, pf.	98
Am. Glue	47	*Int. Salt	79½
Am. Glue, pf.	106	*Mathieson Alk.	60
*Am. Linseed	20½	*Mathieson Alk., pf.	98
*Am. Linseed, pf.	55½	MacAnd. & Forbes	159
*Am. Metal	46½	MacAnd. & Forbes, pf.	101
*Am. Zinc	7½	Merck & Co., pf.	50
*Am. Zinc, pf.	26	Merrimac	84
Archer-Dan.-Mid.	30½	Mulford Co.	30
Archer-Dan.-Mid., pf.	94	*National Lead	145½
*Atlas Powder	48½	*National Lead, pf.	116
*Atlas Powder, pf.	92	Ning. A., pf.	80
By-Prod. Co.	46	N. J. Zinc	187
By-Prod. Co., pf.	102	Parke, Davis & Co.	77
Canad. Ind. Al.	16½	Pens. Salt	81
Canad. Salt	105	*Peoples Gas, Chi.	114½
Casein Co.	62	Procter & Gamble	117
Celuloid Co.	32	Procter & Gam., pf.	158
Celuloid Co., pf.	90	Royal Bkg. Pow.	148
*Certain-teed Prods.	42	Royal Bkg. Pow., pf.	101½
*Crescent Iron	10	Shawinigan	135
Cheas. Mfg.	63	Sherwin-Williams	35
Ches. Mfg., pf.	110	*Sherwin-Will., 1st pf.	103½
Clark Co. Fred.	3½	*Sterling Prod.	63½
Clev. Cliffs Iron	70	Swan & Finch	19
*Com. Solv. A.	131	Tenn. C. & Chem.	7½
Do. B.	131	Tex. Gulf Sul.	104½
Corn Products	38½	Union Carbide	66½
*Corn Products, pf.	123	*Un. Drug	116
*Davidson Chem.	31½	*Un. Drug, 1st pf.	52½
Dow Chem. no par	58	*Un. Dyewood	12
Dow Ch., pf.	98	*Un. Dyewood, pf.	75
Dow Drug Co.	140	Un. Gas Imp.	57½
Dow Drug Co., pf.	105	Un. Gas Imp., pf.	85½
Du Pont, Deb.	96½	U. S. Gypsum	122
Du Pont de Nem.	141	U. S. Indus. Al.	79½
*Eastman Kodak	105½	U. S. Indus., pf.	106½
*Eastman Kodak, pf.	111	Va. Car. Ch.	2½
*Freeport Tex.	10½	Va. Car., pf.	104
*Gen. Asphalt	46½	V. Vivandou	12½
*Gen. Asphalt, pf.	87½	Will & Baumer	12
Gold Dust	37		14
Gresselli	125		
Gresselli, pf.	101		
	108		

*Listed on New York Stock Exchange

Unlisted Stocks Through Courtesy Pynnon & Co.

FOREIGN EXCHANGE

	Par	Current
Great Britain (pound sterling)	\$4,866	\$4,778
France (franc)	.183	.052
Italy (lira)	.193	.040
Belgium (franc)	.193	.051
Czechoslovakia (crown) per hundred	26.20	.029
Denmark (krona)	.268	.181
Germany (mark)	.228	.228
Holland (florin)	.402	.388
Norway (krone)	.258	.156
Poland (zloty)	.193	.192
Spain (peseta)	.193	.143
Sweden (krona)	.268	.269
Switzerland (franc)	.193	.192
Argentina (peso)	.424	.390
Brazil (milreis)	.324	.110
Japan (yen)	.499	.415
India (rupee)	.485	.356
China (Silver dollar, Hongkong)	.729	.545
(Tael—Peking, silver)	1.156	.765
(Tael—Shanghai, silver)	1.986	.733

Fifty shares of Griesemer Graphite Co.'s first preferred stock were sold at auction last week by Adrian H. Muller & Son.; for \$1; 50 shares of second preferred brought the same price, and \$700 shares of common stock \$1. for the lot.

Sherlow Chemical Co. has obtained judgment against Flome Chemical Co. for \$585.57 in New York County.

UNION CARBIDE EARNED \$6.30

Union Carbide & Carbon Corp. reports net income of \$16,771,312 for year ended Dec. 31, after federal taxes, depreciation, interest and subsidiary companies' preferred dividends, equivalent to \$6.30 a share earned on 2,659,733 shares no par capital stock compared with \$16,204,414 or \$6.09 a share in 1923. The consolidated balance sheet of Union Carbide and subsidiary companies follows:

Assets: Cash \$8,045,500; notes and accounts receivable \$19,373,981; inventories \$52,611,023; property account \$152,990,776; investments \$2,484,737; deferred charges \$1,076,280; total \$236,582,297.

Liabilities: Notes and accounts payable \$7,194,277; interest matured and accrued \$159,318; dividends payable \$3,324,666; accrued taxes \$3,524,586; other accrued liabilities \$542,399; funded debt of subsidiaries \$9,789,701; depreciation reserve, etc., \$21,128,999; preferred stock of subsidiaries \$6,471,000; capital stock (represented by 2,659,733 no par shares) \$109,112,421; surplus \$75,334,930; total \$236,582,297.

Cleveland-Cliffs Iron Co. reports for year ended Dec. 31, net profit of \$862,524 after depreciation and equivalent to \$2.15 a share earned on outstanding 400,000 shares of no par value, compared with \$3,092,114, or \$7.73 a share in 1923. After payment of \$1,200,000 in dividends there was a deficit of \$337,476 compared with surplus of \$2,292,114 in previous year. Current assets at close of year totaled \$20,072,425 and current liabilities \$6,660,336.

Henry Bowker Chemical Co., Boston, reports a surplus of \$1,767. Accounts receivable are \$146,531 and notes receivable \$6,504 against which are accounts payable \$220,140. Cash \$2,683 and merchandise \$98,007. Reserves \$29,604.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

General Olive Oil Corp., New York, 200 shares \$100 each, 100 shares, no par. J. Mendoza, F. and S. Mumbru. Attorney, M. Levin, New York.

Textine Products, New York, \$100,000. Soaps, etc. R. Lee, M. Katchor, J. F. O'Neil. Attorney, F. J. Knorr, Albany.

Maxson-Hughes Corp., New York, \$100,000. Fillers and varnishes. P. J. Maxson, J. H. Hughes, H. G. Walker. Attorneys, Marvin & Pleasants, New York.

G. J. Seiler Co., New York, \$10,000. Make perfumes. G. J. Seiler, L. N. Plante, W. S. Mills. Attorneys, Biel & Rosenman, New York.

Pyro Corrosanti World Syndicate, New York, 1,000 common, no par. Chemical laboratories. A. Schor, S. F. Levy. Attorney, E. J. Levy, New York.

Bomart Novelty Co., New York, 280 shares, \$500 each. Celluloid toilet ware. H. and S. Bomart, M. Bassman. Attorney, M. E. Pike, New York.

Margold Toiletries, New York, \$20,000. Cosmetics. B. Frimark, R. Winter, J. Lichenstein. Attorney, A. P. Wilkes, New York.

Neo-Chroma, Wilmington, Del., \$400,000. Chemists. Colonial Charter Co.

West Indies Medicine Co., New York, \$50,000. Drugs. J. Cintron, E. T. Moore. Attorney, S. Vinton, New York.

Mica Products Corp., Wilmington, Del., \$1,000,000. Corporation Service Co.

New Process Carbon Co., Wilmington, Del., \$25,000. Franklin L. Mettler, Wilmington.

Vaga-Sep Chemical Co., New York, \$20,000. B. T. Sanders, R. Donohue, W. Wellon. Attorneys, Budd & Coffey, New York.

Fletcher Pharmacal Co., New York, \$100,000. Medicines. W. H. A. Fletcher, R. V. Gorsuch, C. H. Vanmons. Attorneys, Butcher, Tanner & Foster, New York.

Trentonian Dyers, Ltd., Toronto, Ont., \$100,000. Molyneux L. Gordon, Willis B. Sturup, Mary H. MacGregor.

Frederick Edwards, Ltd., Toronto, Ont., \$40,000. To manufacture chemicals. Frederick Edwards, Frederick D. Rielly, Myrtle Rielly.

Rockland Chemical Co., Ltd., Montreal, \$50,000. To manufacture chemicals. Alexandre Chase-Casgrain, Leslie G. Bell, S. C. Demers.

Canadian Incorporations

Trentonian Dyers, Ltd., Toronto, Ont., \$100,000. Molyneux L. Gordon, Willis B. Sturup, Mary H. MacGregor.

Frederick Edwards, Ltd., Toronto, Ont., \$40,000. To manufacture chemicals. Frederick Edwards, Frederick D. Rielly, Myrtle Rielly.

Rockland Chemical Co., Ltd., Montreal, \$50,000. To manufacture chemicals. Alexandre Chase-Casgrain, Leslie G. Bell, S. C. Demers.



Drug & Fine Chemical SECTION

Shall Japanese Mint Oil be Admitted?

The Government and Trade Experts tell why it Should or Should not Come in to Relieve Shortage of American Oil

If Japanese mint oil is used extensively all over the world for flavoring purposes, and even pharmaceutical purposes, why is it barred out of the United States? Importation is not forbidden, says the Department of Agriculture. If not, the import privilege is purely theoretical; the ban against its importation is hard fact. The Department will not permit it to get by in a form suitable for flavoring uses, even though the finished product is eventually labeled distinctly that Japanese mint oil has been used. Authorities agree that the use of Japanese peppermint oil is in no way harmful to health, that it is just as healthful as the American oil. However, as the Japanese oil "differs in origin, odor and taste from the agreeably flavored product true peppermint oil," to quote the Department of Agriculture, it is barred out.

. What the Government Says

"Drug & Chemical Markets,"

New York, N. Y.

Gentlemen:

Receipt is acknowledged of your letter of March 3, 1925, regarding the requirements governing the importation and use of so-called Japanese peppermint oil.

There is enclosed herewith copy of Item 375, from Service and Regulatory Announcements Chem. 28, which gives the Bureau's attitude regarding corn-mint oil, or field-mint oil, so-called Japanese peppermint oil. You will note that this Item does not prohibit the entry into the United States of this product for food or drug use. It simply imposes upon it the usual requirements regarding substitutes, to which this Item makes reference, and which is stated in a somewhat more general way in Regulation 30 (b) of the Federal food and drugs act, contained on page 22 of Circular 21, enclosed.

So-called Japanese peppermint oil is distilled from *Mentha arvensis* and because of its menthol content

THE QUESTION

Department of Agriculture,
Washington, D. C.

Gentlemen:

Peppermint oil manufactured in Japan from the so-called Japanese mint is not permitted entry into the United States or allowed to be used here for food and drug purposes. We know this product does not meet the U.S.P. requirements, but, as it is used all over the world outside of this country in confectionery and foodstuffs, can you inform us why the same privilege is not accorded the American consumer?

With the American peppermint oil selling at \$14.50 and \$15.00 per pound, we believe this is an extremely important question to big users of peppermint oil in this country.

DRUG & CHEMICAL MARKETS
New York, March 3, 1925.

has certain perfectly legitimate uses. When imported usually it has been partly dementhrolized. It differs in origin, odor and taste from the agreeably flavored product true peppermint oil, which is defined in the Pharmacopoeia of the United States as being distilled from *Mentha piperita*, and similarly defined among the oils employed for flavoring purposes in Department Circular 136, Standards of Purity for Food Products.

For pharmaceutical uses where true oil of peppermint is called for and for flavoring purposes, so-called Japanese peppermint oil cannot properly be employed as the oil or as extract of peppermint. As indicated above, because of its menthol content it has certain perfectly legitimate compound and as a substance uses as a source of this supplying this compound in non-pharmacopoeial articles, but not in articles in which the agreeable flavor of the true oil of peppermint is desired, and whose label directly or indirectly indicates that true peppermint oil has been employed.

There has been no intent to prohibit the importation of so-called Japanese peppermint oil. Only those usual conditions in connection with entry have been prescribed which will ensure that the product will be legitimately used and under labels which are not misleading.

The word "mint" when applied to food products has a restricted meaning, which is not coextensive with the botanical term "mint." When such products as confectionery or chewing gum are labeled with such terms as "peppermint", "mint", "mints", or "mint flavored", there is no question that the purchaser expects to obtain a product flavored with genuine peppermint oil. When other mints are used, such as spearmint, it is customary to use a perfectly definite designation, "spearmint". If, therefore, the oil derived from *Mentha arvensis* has a legitimate use for flavoring purposes, it should be labeled and used under its own proper designation and not under terms which state or imply

[APRIL 1, 1925]

that it is true peppermint. We might mention that standard books of reference on botany and certain standard dictionaries give the common name for *Mentha arvensis* as "corn mint" or "field mint".

C. A. BROWN, Chief,
Bureau of Chemistry,
U. S. Department of Agriculture.

Washington, D. C.

March 11, 1925.

What Essential Oil Experts Say

F. E. Watermeyer, president of Fritzsche Bros., Inc., New York: "Japanese mint oil is suitable for all food uses and is consumed all over the world for this purpose except in the United States. In fact, in many countries it is used for pharmaceutical purposes. The Japanese oil has the same effect on the human body as the American, and is in no way deleterious to health. If a triple distilled oil, or better yet a fractionated oil, is used for flavoring confections and the like, I do not believe that the average layman could tell the difference from the flavor of American oil."

"I believe that under conditions like the present where the consumer of peppermint cannot buy American oil except at high prices the Department of Agriculture should permit the importation of Japanese mint oil. Theoretically, the Japanese oil can be imported, but in actual practice, it cannot. If the Department does not refuse entrance for this product, just how can it be brought in? If this oil is suitable for food use, and in no way harmful, the American consumer should be given the opportunity to use it at least, until such time as American peppermint again sells at a reasonable price. Red tape should be cut for the benefit of the big number of consumers."

Christian Beilstein, vice-president of Dodge & Olcott Co., New York: "The question of importing Japanese mint oil is an old story. The Department of Agriculture bars out this oil because they are afraid imports of it will be used to adulterate American peppermint, as has been proven by past experience. There is absolutely no harm in the use of Japanese oil in food products, and the Government, as a matter of fact, has no right to specify what type of peppermint flavor the American public should or should not like so long as the finished product is properly labelled. If used as a fractionated product under its right name, absolutely devoid of subterfuge, the Japanese oil can be consumed in a wide variety of products in place of American oil. The big problem is to avoid adulteration and fakery, and is the reason why the Government placed the ban on this material in the first place. I do not know of a practical way in which this oil can be brought into the country and its illegitimate use prevented."

George Lueders, president of George Lueders & Co., New York: "The barring out of Japanese peppermint oil under market conditions such as we have at this time, is arbitrary and unnecessary. The manipulation of prices of American peppermint has driven consumers to pay six and seven times the normal figure, and should in itself warrant a change in the law to permit the importation of Japanese oil to relieve this situation. It is the business of the Government to see to it that consumers are not mulcted, and for this reason, some effort should be made by the officials to help them to secure Japanese oil at reasonable prices. A good quality peppermint can be made by fractional distillation of Japanese oil, and if this material is correctly labelled and products made from it rightly labelled, the consumer should not be denied his right to use it. The Japanese material is fully as healthful as the American, and its importation would be a very effective means in bringing the price of American peppermint

down. The fact that the U.S.P. specifies "menthae piperitae" does not bar the Japanese oil for other purposes which may be legitimate. As for technical use, the only purpose is for plumbers to find leaks in pipes, and is of minor importance. The average consumer would not be able to tell a high grade fractionated Japanese oil from the American product in the finished goods."

William G. Ungerer, president of Ungerer & Co., New York: "In the past, Japanese mint oil has been used extensively as an adulterant for American peppermint and the mixture sold as American peppermint. Any product which is used chiefly as an adulterant should not be admitted. The use of Japanese oil is in no way harmful, although it has a different flavor from American peppermint, and it has many legitimate uses for flavoring. The chances of its being misused, however, are great, and for this reason, the Department of Agriculture has practically barred it from this market. As a means of bringing down the price of American oil, it might be effective, although the American producers of peppermint have merely taken advantage of an actual short crop. It would not be surprising that the fabulous prices this year might bring out a big yield of peppermint this Summer and hence make the importation of Japanese oil or any other peppermint unnecessary next Fall, because of lower priced and more plentiful supplies of the American."

C. J. A. Fitzsimmons, president of the Orbis Products Trading Co., New York: "Japanese Peppermint, even when rectified, is not the flavor the consuming public expect to get when buying Peppermint. The only protection a consumer has is the protection given by the Government. Because we have a high market this year is no reason for taking down the bars. The shortage this year is natural, and not due to manipulation. We expect this will result in the planting of a greater acreage the coming season. In 1926 we may be complaining about prices being too low. Who knows?"

Is The Government Consistent?

"When such products as confectionery or chewing gum are labelled with such terms as "peppermint", "mint," "mints," or "mint flavored," there is no question that the purchaser expects to obtain a product flavored with genuine peppermint oil. If this be true, as the Department of Agriculture says, what does a purchaser expect to obtain when he buys vanilla ice cream? Raspberry candy? Strawberry soda? Violet perfume? Orange drink? Licorice drops? If vanillin-coumarin compounds are permitted in "vanilla" ice cream, anise for licorice in candy, numerous synthetics and artificial flavors for strawberry and raspberry and other "fruit" flavors, why is the Department so solicitous that the public secure "genuine peppermint oil" and no other?

For two years past, the Bureau of Plant Industry of the Department of Agriculture has been co-operating in the experimental growing of Japanese mint, *mentha arvensis*, in Indiana and North Carolina. The idea, of course, is to produce American menthol. But, what of this oil getting into channels of the essential oil trade? Cutting off importation on the ground of quality, and at the same time encouraging production in this country,—consistent?

With American oil at \$14.00, the fact that Japanese oil might be used to adulterate American goods, is not sufficient to bar it out. There is distinctly a case here for the Department of Agriculture to make itself of real value in arranging some practical method through which American consumers can get the Japanese oil, and to prevent their being gouged over ten dollars per pound on every pound of American oil which they buy.

Peppermint Oil Situation Is now Critical

Use of Substitutes Eases Price Slightly — Question Whether Dealers Can Hold Stocks on Hand Until New Crop Arrives—High Prices of 1924 Likely to Bring Out Large Crop This Year—Resumption in Activity Expected Before New Supplies Are Available—Production and Prices Compared With Previous Years—Dealers Have Four Months In Which to Sell Stocks on Hand.

Oil peppermint apparently is on the downward swing due to the arrival of fair quantities from Europe during the past two weeks coupled with an increase in the use of peppermint substitutes. If demand had kept up and was sufficient to take care of the increase in spot supplies, the price of mint probably would not have eased off. Even with an easier market on spot, some well informed dealers state that they firmly believe the natural oil will not go below \$13. per pound. Most of the oil held in dealers hands has cost on an average between \$13. and \$14. per pound, and unless supplies in the country are offered at a substantially lower price, dealers have four months to realize their first costs. Although the use of substitutes has increased materially, some manufacturers have curtailed the use of peppermint substitutes since an actual easing of the market has occurred. They are, without doubt, afraid that if used too extensively, their products would suffer.

The high prices that have ruled for the past four months have made it very difficult to operate in this oil unless one had actual possession of the oil. Several cases have been reported where dealers in New York have sold against contracts with shippers in the country, but when the time came to deliver, dealers could not get supplies. If dealers had been "long on peppermint", they probably would have received every pound of their contracted mint.

During the past two months, about 100 cases of menthol have been received at New York for account of one of the large peppermint oil producers in the Middle-West. The trade in New York believes that contracts for domestic menthol were made as low as \$8.50 per pound, but when time came for delivery, the oil peppermint market advanced to about \$14., thereby making it more profitable to sell the oil, and buy Japanese menthol, of course, with the consent of the buyer. If the domestic menthol was sold at \$8.50 per pound, and could be replaced by Japanese menthol at \$12 per pound, a loss of \$3.50 per pound would naturally be sustained. On the other hand, instead of using the oil to manufacture menthol, if it could be sold on the open market at \$14 per pound, and it takes fully two pounds of oil to make one pound of menthol, the profit in disposing of the oil at such a figure would be around \$10 per pound, thereby making a net of between \$6 and \$7 per pound by selling the oil peppermint, and buying Japanese menthol to fill contracts.

The future market for oil peppermint depends entirely upon whether dealers who now have stocks are able to hold out until demand sets in, as all signs now point to a resumption of activity in peppermint before new crop goods are distilled. The recent high of \$15.50 per pound for natural goods surpasses all previous high prices. Since the advance started last Fall, short interests have been buying all along, and the question whether they have completely covered themselves causes present holders to view the future market with caution.

Undoubtedly, if any holder were offered a fair price for his entire stock, he would not hesitate a moment in

getting rid of his supplies. He figures that to hold oil peppermint at the present abnormally high levels, is obviously dangerous and with the approach of new crop material, he might be willing to sacrifice his present stocks in order to be bare of material when new oil is distilled, as he feels quite sure that the high prices of oil peppermint during 1924-25 will bring out a large crop.

COMPLETE STUDY OF MINT BEETLE WHICH THREATENS PEPPERMINT CROP

New Species of Flea-Beetle First Became Dangerous in 1924—May Use Calcium Arsenate To Fight It—Report by Michigan Agricultural College.

Dowagiac, Mich., March 26.—A new insect pest, which first became noticeably dangerous only last year, has forced itself upon the peppermint growers of southern Michigan and is now receiving the attention of state entomologists. A report by L. G. Gentner, entomologist at the Michigan Agricultural College, says in part: "During the summer of 1924, a small brownish-yellow flea-beetle forced itself upon the attention of the mint growers of southern Michigan. The growers became convinced that the beetle was causing serious injury and that its presence limited the period during which peppermint and spearmint could profitably be kept in the ground. A visit to the fields revealed the fact that the pest was a new one, never having heretofore been studied nor named.

The slender, whitish larvae of these beetles feed on the rootlets and mine in the main roots and lower parts of the stems during June, either badly stunting the plants or killing them outright. Injured plants take on a reddish purple tinge which is quite conspicuous at times. The adult beetles first appear during the latter half of July and feed upon the mint leaves, badly riddling them and causing them to turn brown and later to drop off.

Like all flea-beetles, the adults have the hind thighs much enlarged and are able to jump freely, often leaping a foot or more. After feeding for a period of three or four weeks the beetles begin to lay small, yellowish eggs near the surface of the soil, continuing to do so until the beetles die or until severe cold weather sets in. When the mint sod is plowed under after the first good freeze in the autumn, the eggs become covered and receive protection during the winter months.

Mint planted on summer-fallowed or clean-cultivated land is not attacked by the larvae during the first year, but the adult beetles emerging in adjoining, older fields, gradually work their way into the new mint and lay eggs there.

In order to prevent this migration of adult beetles into the new mint it is probable that the dusting of a strip around the edge of the field with some arsenical dust would be effective. While no tests have been made, a dust consisting of calcium arsenate, one part to twenty parts of finely powdered raw gypsum, would no doubt be effective.

Few eggs are laid before the mint is cut for distilling, therefore it is likely that the dusting of the second growth and remnants in infested fields soon after the harvest, will kill the beetles before any eggs are laid. Volunteer mint along ditch banks furnishes a natural breeding place for the beetles and consequently all volunteer mint in the vicinity of mint fields should be destroyed. A complete report will soon be published by the Michigan Agricultural College."

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see pages 970-995

MAKERS ADVANCE CREAM TARTAR $\frac{3}{4}$ c LB.

On Higher Production Costs—American Refiners Advance Camphor—Quicksilver Strong With Small Spots—Menthol Up to \$12—Isopropanol Stages Drastic Cut—Guaiacol Carbonate Lower on Poor Demand.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Alid, Citric, $\frac{1}{2}$ c lb. Glycerin, dynamite, $\frac{1}{2}$ c lb.
Acid, Tartaric, Imp., 1c lb. Menthol, 25c lb.
Camphor, American, 2c lb. Mercury, \$1.00 flask

Declined

Alcohol, Isopropyl, \$1.25 gal. Hexamethylenetetramine,
Guaiacol Carbonate, 25c lb. U.S.P., 3c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$35	\$32	\$2.00	\$2.20
Acid Citric, Import	.46 $\frac{1}{2}$	.46	.46	.47 $\frac{1}{2}$	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	4.00	13.00	3.65
Calomel, American	1.37	1.37	1.37	1.10	3.43	.90
Camphor, Jap., ref.	.77 $\frac{1}{2}$	.77 $\frac{1}{2}$	.66	.77	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.40	6.00	3.75
Menthol	12.00	11.75	11.75	12.15	13.50	3.00
Potassium Bromide, Cryst.	.48	.48	.48	.30	4.30	.80
Quinine Sulfate, Imp.	.50	.50	.50	.50	.90	.25
Sodium Salicylate	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate	.57 $\frac{1}{2}$	.57 $\frac{1}{2}$	.49 $\frac{1}{2}$	.63	1.05	.50
Average	2.301	2.27	2.25	2.30	5.92	1.56

During a week of comparative inactivity with only one or two spectacular items, an undertone of general improvement seemed to pervade the fine chemical market. Most dealers feel that while there is nothing to get excited about, business is doing well. There is not quite as much volume as there was in early January, but the last two weeks have shown an improvement over February and the early part of March. Specific items of interest last week were advances in American camphor, menthol and mercury. Isopropyl alcohol featured a spectacular decline of \$1.25 in two days, due to competition and large stocks.

Acetanilid—No change in this situation with prices firm and good movement reported for first hands.

Acid, Acetylsalicylic—Prices remain unchanged on steady market.

Acid, Benzoic—Unchanged condition prevails throughout all grades with prices firm.

Acid, Citric—Imported material now costs more than domestic being quoted at 46c@47c lb. with domestic at 45 $\frac{1}{2}$ c@46c lb. Higher labor costs are the cause for increased prices of imported.

Acid, Diethylbarbituric—Situation remains unchanged for this acid with prices held firm at former figures.

Acid, Phosphoric—Prices remain unchanged with good demand in evidence.

Acid, Salicylic—Strong for both spot and export goods with prices unchanged. Resale figures slightly under spot.

Acid, Tartaric—Market for imported is much stronger at advanced price of 28c@28 $\frac{1}{2}$ c lb in spite of the fact that 1,820 kegs came in through New York last week. Most of this material was doubtless sold on advance order. Domestic unchanged at 29c lb.

Alcohol—Market continues easy with strong competition from resale material. Denatured No. 5 quoted at 50 $\frac{1}{2}$ c@56 $\frac{1}{2}$ c.

Alcohol, Isopropyl—Increased production with keen competition has radically reduced the price bringing it down to \$1.00@\$1.25 from \$2.25@\$2.50 for 90-91% and \$2.00@\$2.25 from \$2.50@\$2.75 for 98-99% in two days.

Aloin—Demand and prices remain unchanged for this item.

Amidopyrine—Normal activity is shown for this market with prices steady.

Antipyrine—Prices remain unchanged on a strong market. Some belief is expressed that an advance will be seen here soon.

Bay Rum—No change recorded for this product with routine movement under way.

Bromides—Spot market both here and abroad reported to be slightly under manufacturers price for new material. Prices remain unchanged at former figures.

Caffeine—Market continues steady at unchanged prices.

Camphor—Producers have announced a further advance of 2c in American camphor which is now quoted at 84c lb in barrels. Japanese camphor is strong at recently advanced price of 77 $\frac{1}{2}$ c for slabs.

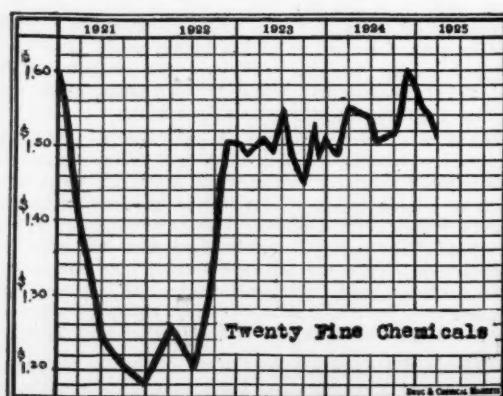
Codliver Oil—Although reports of much larger production are coming from Europe, large demand with small carry-over stock keeps the price steady at \$29@\$31 bbl. as to brand and quantity. Prices may go lower but they are not expected to drop as much as they did a year ago. The season's catch up to March 14 was 16,300,000 as against 12,900,000 at the same time last season. Production of steam refined medicinal oil is 31,678 hectoliters as against 29,078 a year ago.

Cream Tartar—Prices for imported firm at 21c@21 $\frac{1}{2}$ c with domestic higher at 22c@22 $\frac{1}{2}$ c lb.

Formaldehyde—No change reported either in demand or prices.

Fusel Oil—Prices remain steady under keen competition.

Glycerin—Market for dynamite is slightly firmer at



18½c with reports of 18½c being done in the West. Crude and C. P. remain unchanged at former prices.

Guaiacol Carbonate—Poor demand with competition between producers has cut the price to \$1.75@\$1.90. This price is said to be too low so that an advance should be expected.

Menthol—The spot market has advanced to \$12.00 with shipment prices slightly under that figure. Market will probably be held firm as shipment figures are also strong.

Mercury—It is reported that no spot stuff can be obtained under \$85 and very little at that figure. London is quoting £14. Imports for last week were 315 flasks.

Methanol—Market shaky with quoted prices unchanged. Another 180 casks of synthetic product were imported through Philadelphia from Rotterdam last week. Domestic alcohol quoted at 65c gal. for 95% tanks works and other grades accordingly.

Potassium Permanganate—No change in this situation with prices steady.

Sodium Benzoate—Situation remains about the same with no price change made.

Thymol—Easiness characterizes the market with prices held at \$4.10@\$4.35 for C. P. crystals.

COD CATCH LARGEST FOR MANY YEARS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Bergen, Norway, March 20.—The Governmental inspection of this year's cod fisheries was established in Lofoten, Jan. 24, and in Aalesund District, Feb. 2. During the greater part of January and February the fisheries were seriously hampered by constant and heavy storms, causing great loss and damage in boats and tackle. The catch during this period was insignificant.

The preparations for the fisheries have been more extensive than in previous years, and the number of boats, registered as partaking is larger than any previous year. In February the weather became more favorable, and the cod got closer under shore, and the result showed great improvement in a very short time, and is already in excess of that in 1924 for the corresponding period.

The official reports from the office of the Director of Fisheries show the following figures in hectolitres (100 litres):

	Steam-refined Medicinal			Other Oils		
	Feb. 21	Feb. 28	Mch. 7	Feb. 21	Feb. 28	Mch. 7
Finmarken Winter Fisheries	2,393	2,363	3,258	3,514	3,514	4,108
Troms County	263	439	616	9	9	9
Lofoten	2,840	7,047	12,218	42	54	373
Lofoten/Trondhjem	1,684	2,755	3,939	28	79	98
Trondhjem/Bergen	942	2,033	3,044	298	393	—
	8,122	14,677	23,125	3,891	4,158	4,698
In 1924	9,991	14,099	20,987	2,436	2,732	3,329
In 1923	12,921	19,159	28,910	3,622	4,485	4,729

Exports in Barrels from Jan. 1.

	Jan.	Jan.	Jan.	Jan.	Feb.	Feb.	Feb.	Feb.
	10	17	24	31	7	14	21	28
Steam-refined med.					..			
Best non-freezing..	1521	2383	4614	5456	7141	8415	9284	10052
Yellow	99	356	384	402	452	564	749	779
Medicinal bright..	42	105	172	273	549	598	643	683

Industrial

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The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 992-997

MEXICAN SARSAPARILLA ADVANCES 1c lb

Replacements Higher and Spot Stocks Tending Low—Golden Seal Root Scarce and Higher—Agar Agar Cut Sharply—Ergot Lower in Spite of Firm Shipment Position—Althea Root, Cuts, Scarce—African Ginger Lower—Cloves Firmer.

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Althea Root, Cuts, 25c lb.
Alkanet Root, 1c lb.
Cloves, Zanzibar, 1c lb.
Echinacea Root, 1c lb.
Golden Seal Root, 15c lb.

Declined

Agar Agar, No. 1, 20c lb.
Aloes, Curacao, ½c lb.
Balsam, Tolu, 5c lb.

Karaya Gum, 1½c lb.

Trend of the Market

	Last Today	Last Week	Last Month	War Year	War Peak	Pre- War
Aconite Root, USP.....	\$.33	\$.33	\$.33	\$.44	\$.90	\$.42
Buchu Leaves, Short.....	.70	.70	.80	.76	4.00	.85
Cantharides, Russian.....	.85	.85	.85	.90	0.00	2.10
Cocculus Indicus.....	.08½	.08½	.10	.03½	.85	.03
Ergot, Spanish.....	.51	.52	.53	.38	4.50	.54
Insect Powder, pure.....	.35	.35	.37	.63	1.00	.28
Ipecac, Cartagena, Powd.....	2.35	2.50	2.50	2.10	4.50	1.35
Nux Vomica.....	.05½	.05	.05	.05	14½	.07
Opium gum.....	12.00	12.00	12.00	9.00	30.00	5.00
Rhubarb Root, H. D.....	.32	.32	.33	.32	1.75	.15
Tragacanth No. 1, ribbon.....	1.35	1.25	1.15	1.25	6.00	1.50
Wild Cherry Bk., thin nat.....	.09	.09	.09	.11	.21	.07
Average	1.583	1.581	1.59	1.35	5.28	1.60

Although spot prices have tended to ease off within the past two weeks, shipments of new crop materials in a number of instances are named higher than spot values due to the superior quality of the new crop over the stocks carried in the spot market. While some houses believe that a number of crude drugs will be among the missing when the time comes for them to arrive in the consuming markets, others think about 85 per cent of this kind of talk can be discounted, and that when roots and herbs arrive, supplies will be sufficient to take care of all needs. Agar agar has eased off further, and now \$1.40 per pound is being quoted for No. 1 quality. Golden seal root has advanced owing to a reduction of stocks in outside hands. The regular diggers of golden seal state that this article cannot be placed on the market for less than \$4.25 per pound. Althea root, cuts, has advanced sharply owing to the withdrawal from the market of damaged goods.

Agar-Agar—Prices lower with No. 1 named at \$1.40@\$1.50, No. 2 at \$1.40 and No. 3 at \$1.25 lb. Declines due to increased stocks on hand.

Aloes—Market reported firmer with Cape up to 8½c@-9c, while Curacao is down to 10c@11c and other grades unchanged.

Alkanet Root—This root has advanced to 10c@11c lb.

Althea Root—Prices have advanced due to shortage caused by damage to two shipments by sea water. Cuts now up to 75c@80c lb.

Arabic Gum—Amber sorts are stronger with powdered U.S.P. up to 20c@22c lb. Other grades unchanged.

Balsams—Copaiba, Para and South American, and

Peru continue unchanged with Canada Fir easier at \$10.00@\$10.50, Oregon Fir to \$1.00@\$1.15 gal, and Tolu declined to \$1.50@\$1.60 lb.

Buchu Leaves—Prices remain unchanged but market is easy, awaiting probable arrivals next month of new crop material.

Cascara Sagrada—Prices remain quiet with interest centered in the coming crop.

Cloves—Increased strength shown with advance to 26c@27c for Zanzibar.

Dandelion Root—Shipment prices have strengthened somewhat due to reports of a shorter crop than previously anticipated. Quoted easy on spot at 20c@21c lb.

Echinacea Root—A one cent advance was shown in this herb, the new prices being 32c@33c lb.

Ergot—Prices have declined to 51c@52c lb due to easier movement from the other side. The trade believes that producers are releasing stocks of old material held over in anticipation of the new crop. Quotations for new crop are 40c lb c.i.f.

Gamboge—Inquiry has failed to find any of this product on the local market and shipment prices have been quoted at 85c@\$1.05 lb c.i.f. with some doubt expressed as to the possibility of doing anything as low as 85c.

Ginger—African has taken a sharp cut being named at 15c@15½c with Jamaica also down to 23c@24c. Other grades unchanged.

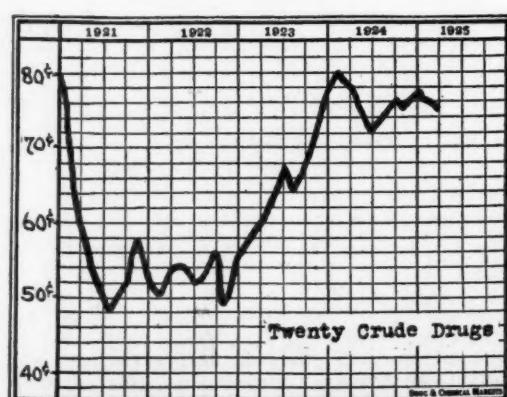
Golden Seal Root—Large demand for export has seriously depleted local stocks and advanced the price to \$4.50@\$4.60 for the whole root with the powdered up to \$4.90@\$5.00.

Guaiac Gum—A decline was shown last week, the new price being 33c@35c lb.

Insect Powder—Shipment prices are strong with spot prices held firm in sympathy. No change has been shown in the condition of the market.

Ipecac Root—Root from Rio has declined to the same level as Cartagena being named at \$2.10@\$2.20 lb. Both grades are easy.

Karaya Gum—This gum is slightly easier at 8½c@-15c lb spot.



Manna—Routine movement continues to characterize this item at steady price levels.

Marjoram Leaves—French leaves continue nominal at 35c@40c with German firm at 30c@33c lb.

Musk Root—Prices unchanged and strong due to scarcity of the Russian root.

Nux Vomica—The powdered has declined to 9c@9½c lb with buttons unchanged at 5½c@ 6c. Supplies are limited.

Pichi Leaves—Sharp advance to 23c@25c lb recorded for this during the past week.

Rhubarb Root—Local market is weak although the Chinese market is said to be much stronger. Prices are unchanged.

Saffron Flowers—Spanish is weak although no price change is yet in evidence.

Tragacanth Gum—Reported stronger with prices advanced to \$1.35@\$1.40 for No. 1 ribbon and 95c@\$1.30 for No. 2 to 6.

Sandarac Gum—Market advanced to 43c@44c lb under better buying.

Sarsaparilla Root—Mexican root has advanced to 21c@22c lb owing to strength in country. Spot supplies tending scarce.

Imports into United States of beeswax and other animal waxes during January were 145,963 pounds, valued at \$43,763; vegetable wax, 833,397 pounds, \$131,826; camphor, natural crude 31,999 pounds, \$16,714; camphor, refined, 208,910 pounds, \$118,980; camphor, synthetic, 164,593 pounds, \$83,023; Arabic, 253,419 pounds, \$24,639; tragacanth, 48,351 pounds, \$16,845; gambier, 507,297 pounds, \$75,933; and other gums and resins, free of duty 1,147,406 pounds, \$121,552, and dutiable, 2,906 pounds, \$8,294.

Two subsidiaries have been organized under the laws of Massachusetts by United Drug Co. to take over the assets and liabilities of two companies organized in Missouri and New York. They are United Drug Co. of St. Louis and Boston, capital \$1,700,000 par \$100, and Hudson Valley Pure Food Co. capital \$500,000, par \$100.

Arnaldo C. Dominguez, manager of the foreign department of the Paris Medicine Co., St Louis, was detained at Ellis Island by Department of Justice agents on "confidential information" on his arrival from South America March 26. He had been in South America for the establishment of agencies for the company.

H. Clay Glover Co. has been awarded \$1,000 damages against Glover Co. of Canada for infringement of proprietary rights. The Montreal court issued a restraining order prohibiting Glover Co. of Canada from putting on the market products resembling those of H. Clay Glover Co.

A strong resolution of protest has been passed by the Canadian Manufacturers' Association against a regulation which has just been adopted by the Quebec Liquor Commission, imposing an additional charge of \$10 a year on manufacturers using industrial alcohol.

Bay rum imported into this country from Virgin Islands is properly dutiable at \$2.20 a gallon, according to a decision of the board of general appraisers in overruling a protest filed by Lehn & Fink.

Dickinson & Co., 200 Fifth ave., New York, are distributing a picture each month representing a critical moment in the capture of famous game fish.

PEPSIN HIGHER ON HOG SCARCITY

Big Packers Advance All Animal By-Products—Pancreatin, Peptone, and Ox Gall Also Up—Reflection of Grain Markets.

Pepsin, pancreatin, peptone, ox gall, and other animal by-products of the big meat packing houses have all been advanced in direct reflection of the scarcity of hogs in slaughtering centers throughout the country. Present scarcity of hogs dates back to the unusually high corn prices of two and three months ago, when thousands of animals were sold for slaughter by raisers in preference to feeding them with high priced corn. Available hogs are reported cut down about one-third of former numbers throughout farming districts.

Pepsin prices have been advanced close to fifty per cent and are now quoted in 25 lb lots as follows: 1:3,000, U.S.P., \$2.25 lb; 1:6,000, \$4.00 lb; 1:10,000; \$6.65 lb. Pancreatin is up to \$2.50 lb in 10 lb lots. Oxygall, U.S.P., 5 lb cans is now at \$1.75 @ \$2.00 lb; purified, \$2.00; crude, \$1.00. Peptone, powdered, is named at \$1.70 lb in 5 lb lots. Ovarian substance and lesser important products are up in proportion, according to seller.

RULES ON DENATURED ALCOHOL MARKINGS (Special to DRUG & CHEMICAL MARKETS)

Washington, D.C., April 1—Roy A. Haynes, Commissioner of Prohibition, is sending a communication to collectors regarding the marking of apparent proof on packages of specially and completely denatured alcohol. The statement follows:

"The attention of this office has been called to the discrepancy between the first issue of Regulations No. 61, Article 102, and a later reprint of the same Regulations with respect to marking the apparent proof on packages of specially denatured alcohol when filled at a denaturing plant.

"This office is of the opinion that it is unnecessary to mark the apparent proof on packages of specially denatured alcohol which, under the regulations, must be prepared from 190 proof ethyl alcohol unless otherwise specifically provided for, and such course need not be required by you.

"It is believed, however, that the apparent proof should be marked on all packages of completely denatured alcohol inasmuch as the latter may be prepared from ethyl alcohol of 160° proof and upwards."

Lanman & Kemp's bowling team won a game each from E. R. Squibb & Sons, Biddle Purchasing Co., and Drug Seniors' teams in the Wholesale Drug Trade Bowling Association Tournament at Colgate's Alleys, Jersey City. The Seniors won from Biddle Purchasing Co. and lost to E. R. Squibb & Sons, who in turn lost to Biddle Purchasing Co.'s team. McGillen of Lanman & Kemp rolled a clean game of 194, and Thoet of Biddle Purchasing Co. was high for the evening with 217.

J. Leon Lascoff, of Lascoff & Sons, has been appointed chairman of the retail drugs division in the forthcoming Home Service Appeal for the Salvation Army in Greater New York, to be made during May. The budget calls for \$523,343 to be used financing 47 institutions through-out the city.

At the meeting of the board of directors of U. S. Industrial Alcohol Co., March 26, the annual report, which will be published about the middle of this week, was discussed.

The Essential-Oil Market

Current Spot Quotations of Essential Oils, pages 997-998; Aromatic Chemicals, 998

ANISE ADVANCES ON SCARCITY IN CHINA

Not Offering For Shipment—Spot Supplies Closely Held
—Oil Cassia Also Higher—Oil Orange, Italian, Firm-
er—Oil Sandalwood Higher—Oil Caraway Lower—
Terpineol Easy—Balsam Tolu Lower—Oil Pepper-
mint Steady

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Anise, U.S.P., 5c lb.	Oil Orange, Italian, 15c lb.
Oil Cassia, Redistilled, 5c lb.	Oil Sandalwood, E. Ind., 25c lb.
Declined	
Oil Caraway, 5c lb.	Terpineol Drums, 2c lb.
	Balsam, Tolu, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.50	\$3.50	\$3.65	\$3.40	\$7.00	\$5.00
Oil Citronella, Ceylon.....	.70	.70	.70	.80	1.02	.60
Oil Cloves	1.75	1.75	1.85	2.10	3.70	1.40
Oil Lemon, Italian	1.15	1.00	.98	.85	1.70	2.00
Oil Peppermint, Nat.	14.00	13.75	15.00	4.00	9.00	2.25
Oil Sandalwood, E. I....	7.25	7.00	7.00	6.70	14.00	5.25
Oil Sassafras, Artif. ....	.35	.35	.35	.36	1.00	.36
Benzaldehyde, U.S.P.	1.50	1.50	1.50	1.50	5.15	1.50
Coumarin	3.25	3.25	3.25	3.85	81.00	3.10
Methyl Salicylate, Cans...	.47	.47	.47	.47	1.00	.90
Vanillin .....	.49%	.49%	.49%	.54%	.85	.20
Average	3.00	2.94	3.20	2.23	6.83	2.05

Attention in the essential oil trade is centered on oils anise and cassia, which are reported from several sources to be off the market in Hongkong. Although demand for essential oils has been small, import costs have been advancing, and foreign sellers appear to be in a more advantageous position. They say they will "stand pat" on present quotations. Importers in New York feel that with any increase in activity from consuming channels, high import costs will be warranted, but it appears to be a question of who can wait—the consumer or the shipper from abroad? One or two large holders of peppermint on spot slightly above the market, but on a firm offer they might shade prices below the generally quoted level. The trade expects higher price in Italian oil lemon. The average price for March is lower than the month previous owing to decline in peppermint.

Essentials Oils

Oil Almond—While sweet is named at 77½c lb. spot, some dealers are inside at 82c lb. Imports last week at New York were 25 cases. Bitter unchanged over last week.

Oil Anise—U.S.P. has advanced, and is now quoted at 65c@70c lb. spot as to seller, and technical at 62c@64c lb. owing to scarcity in the primary market. This oil has been over produced for the last three years, and the trade believes that the growers have finally learned the error in flooding the market with anise. Several sources report that they have cabled quotations, but up to the present time, no offers have been received.

Oil Bergamot—Coppers quoted at \$3.60 lb. spot and up as to seller.

Oil Cananga—Native firmer at \$2.25@\$2.35 lb. spot and rectified at \$2.65 lb. Spot supplies tending scarce.

Oil Caraway—Has declined, and now quoted at \$2.25@\$2.40 lb. spot as to seller and quantity. Shipment

prices are much lower, but spot stocks represent high priced goods.

Oil Cardamom—Scarce at unchanged prices.

Oil Cassia—Redistilled has advanced to \$2.40@\$2.50 lb. spot, and natural at \$2.00@\$2.10 lb. owing to higher prices for shipment. This oil has changed hands with anise; a few years ago, anise was the higher priced oil, while cassia was the lower quoted one.

Oil Cedar Wood—Easy at 65c@67c lb. spot with possibility of shading these figures on firm business.

Oil Citronella—Ceylon unchanged at formerly quoted levels. Import price has eased off, and now 60c lb. c.i.f. New York is possible in fair quantities. Imports at New York last week were 14 drums. Java steady at \$1.15 lb spot in drums.

Oil Erigeron—Quiet at unchanged levels.

Oil Juniper Berries—Scarce at \$2.40@\$2.70 lb. spot with the possibility of much higher prices owing to firmer import costs.

Oil Lemon—Italian generally quoted at \$1.15@\$1.35 lb. spot as to seller and quantity with shipment inside at 83c lb. c.i.f. New York up to \$1.07 c.i.f. As soon as goods arrive in this country, they pass directly into consumption. American unchanged.

Oil Linaloe—Scarce at \$4.00@\$4.25 lb. spot

Oil Orange—Italian has advanced to \$2.90@\$3.20 lb. spot as to seller owing to higher import costs. A sale of 25 cases was reported last week at \$2.85 lb., and a few days later, the same seller was asked to compete with his own goods at \$2.65 lb., after having sold them at \$2.85 lb.

Oil Peppermint—Natural steady at \$14.00@\$14.50 lb. spot and redistilled at \$14.50@\$15.00 lb. These figures might be shaded on firm business, however.

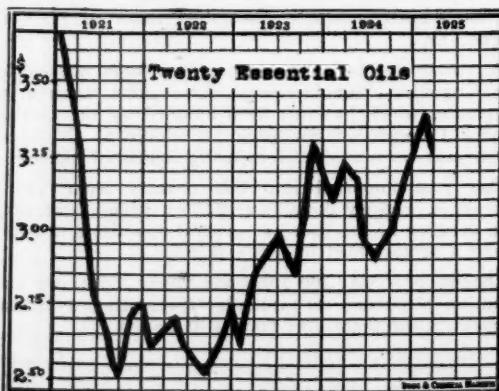
Oil Sandalwood—Higher at \$7.25@\$7.50 lb. spot as to seller and quality owing to a strengthening of the primary market.

Oil Wormseed—Spot unchanged and firm as well as the country.

Balsams

Peru—Steady at \$1.90 lb. spot.

Tolu—Has declined and now quoted at \$1.50@\$1.60



lb. spot as to quantity. Supplies on spot have increased materially within the last two weeks.

Aromatic Chemicals

Coumarin—Makers are unchanged, and resellers name same level as the manufacturers.

Heliotropin—In fair demand at \$1.85@\$2.00 lb. spot for domestic, and \$2.25@\$2.50 lb. for imported material.

Terpineol—Has declined, and now quoted at 29c@-40c lb. spot in drums, and 42c@45c lb. in cans. Imported meeting domestic competition at 43c@46c lb. in cans.

Vanillin—Makers report an active demand. Resellers still name 47½c oz. spot.

NO INCREASE IN MORANA CAPITAL

No increase has been made in the \$1,000,000 capital stock of Morana, Incorporated, New York. The statement was published in the Mar. 25 issue of "Drug & Chemical Markets" that the common stock had been increased from \$2,500 to \$25,000. This was a typographical error and should have read shares instead of dollars. Common stock was not increased, but merely adjusted from 2,500 shares of \$100 par value to 25,000 shares of no par value. The 6,000 shares of \$100 first preferred and 1,500 shares of second preferred remain unchanged.

IMPORTS OF PERFUMERY CONTINUE HEAVY

Receipts from foreign countries of perfume materials continued heavy in February, goods of a total value of \$371,000 having entered the United States during the month, and accounting for over one-half the total imports of perfumery and toilet preparations.

The total exports of perfumery and toilet preparations amounted to 769,000 pounds, valued at \$544,000, only \$72,000 under the imports. Foreign sales of American dentifrices amounted to 262,000 pounds, valued at \$257,000.

to seller and quality owing to a strengthening of the
Coty, Inc., is offering 50,000 shares of the American company, which was formed in December, 1922. The circular says "Coty sells more French perfumes, toilet water, face powder and other cosmetics in the United States than any of its French competitors. All of the ingredients and accessories used in the American laboratory are purchased from the same sources and are the same as used in the Coty plant at Suresnes, France."

Essential oils, consumption of which has been growing steadily, recorded a 24 per cent increase in value of exports in February, and a 33 per cent gain in value of imports. The total exports in February amounted to 204,000 pounds, valued at \$121,000, and total imports to 655,000 pounds, valued at \$618,000.

Imports of essential oils other than turpentine into Great Britain during February were 368,036 pounds, valued at £103,436, compared with 325,259 pounds at £85,136 for a like period in 1924.

A horse owned by Victor Vivaudou's wife won a stake of \$56,425 at the Mexican track of Tia Juana, on Sunday, March 29, according to reports in the daily papers.

W. F. Barrett Co., Chicago, essential oils, has moved to 440 So. Dearborn st.

AFRICAN GERANIUM INFERIOR TO FRENCH, SAYS CONSUL IN GRASSE REPORT

Period of Grasse Flower Crops Described—Prices and Crops for 1924 Compared to 1923—Consul O. A. Glazbrook Makes Several Startling Statements About Flower Oil Business.

The price of perfumery products at Grasse, France, depends chiefly upon the crops, regardless of the fact that manufacturers contract for the sale of their products in advance, says Consul Otis A. Glazbrook in advices to the Chemical Division of the Department of Commerce. Crops and prices vary widely from year to year.

The picking of jasmine begins the latter part of July and ends during the first days in September, the consul says. The harvest last year was very good, but not sufficient to supply the demands of the manufacturers. The price of this flower averages from 6 to 27 francs per kilo, depending on the harvest and competition of the buyers. Jasmine is principally used in the production of enfleurage, and sold as "absolue de jasmin," the average wholesale price being at present 25,000 francs per kilo (approximately \$678 per pound) and for Jasmin Concrete 6,000 francs per kilo (approximately \$162 per pound). There has been a large increase in the exports to America of products of this flower. In 1922, 753 pounds valued at \$140,990; in 1923, 8,277 pounds at \$756,702; and in 1924, 3,711 pounds at \$331,193. The difference between 1923 and 1924 is explained by the fact that the dollar conversion in 1923 was on the basis of 19.3 francs to the dollar, whereas in 1924 the conversion was based on the daily rate of exchange, which, although constantly varying, was upon the whole lower than in 1923. In 1924 a new product called liquid jasmine was found. Of this new product 8,911 pounds valued at \$17,511 were exported.

While the oils of geranium do not hold as important a place among the exports from Grasse now as before the war, still they are one of the chief exports. The principal geranium fields are in Algeria, and on the Isle of Bourbon. These oils are considered inferior to the Grasse products, so Mr. Glazbrook says, but before the war were imported in great quantities to Grasse for reexportation. The larger firms at Grasse have factories at Bonfarik, Algeria, solely for the purpose of handling the product of this plant. The high cost and difficulties of transportation during the war made these factories necessary, so that at present oil of the geranium is exported directly from the country of its production. Due to the cheapness of this oil in 1914, (\$0.535 per pound United States currency), it was largely used in soap manufacture. The price rose exorbitantly during the war, in consequence of which its use for this purpose was abandoned. The price paid for essential oil of "Geranium sur Rose," a specialty of the Grasse producers, is as high as \$35 per pound. The exports to the United States in 1922 were 19,655 pounds, valued at \$236,908; and in 1923, 12,518 pounds at \$216,163.

The center of the cultivation of the orange flower is Valauris, a small town 15 miles from Grasse, where the cultivators of this flower have formed a union, owning a distilling plant which enables them to dictate their prices to the perfumers. The season for this flower is May and June. The orange blossom is one of the most important flowers for the Grasse industry, as the demand for Neroli, or essential oil of the orange flower, concrete, and orange flower water, is large. This product is chiefly sold in Europe. During 1922, the exports to the United States of the essential oil of this flavor amounted to 437 pounds valued at \$120,563; in 1923, 2,518 pounds at \$344,668; and in 1924, 607 pounds at \$38,322.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical, and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrines, sizes, and starches; fertilizer materials; accelerators and solvents, and miscellaneous products. Crude Drugs, including barks, herbs, roots, etc. Essential Oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallows, greases, and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—.833	Imperial Gallon
1 American Gallon	—3.79	Liters
1 Liter	—.264	American Gallon
1 American Gallon (Water)	—8.35	Pounds
1 Pound (Avoirdupois)	—.454	Kilogram
1 Kilogram	—2.20	Pounds

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Chemicals

ACID		ACID (Cont.)	
Butyric, 60% pure, 5lb bot...	D .55 : .60	Hydrobromic, 45% emul.	155lb cbs. wh...
90% D .70 : .75	155lb cbs. wh...	D .45 : .48	
C.P. 10lb bot...	D 1.25 : 1.50	48% emul., 10 cbs. wh...	D ... : .48
Camphoric USP, VIII 1lb bot...	D 5.50 : 5.70	40% USP 155lb cbs. wh...	D ... : .55
Carbolic, USP crys. see also Phenol		10% USP 100lb cbs. wh...	D ... : .13
112lb tins D .26 : .37			
25lb tins D .28 : .29			
5lb tins or bot...	D .30 : .33	Hydrochloric, we also Acid Muriatic	
1lb bot...	D .35 : .36	CP, USP, 110lb cbs. wh...	D .07 : .08
Liquid USP, 1lb bot...	D .34 : .35	Hydrocyanic, wh., cyl...	D ... : 1.25
Crude, 35% 50 gal. bbls. gal	D .33 : .35		
10% 50 gal. bbls. gal	D .27 : .30		
Carbonic, see Carbon Dioxide			
Chloracetic,			
mono, 100lb bbls. wh...	D ... : .25	30% 100lb cbs. wh...	D ... : .06
Di, 150lb chrys. wh...	D ... : 1.00	48% single 100lb cbs. wh...	D ... : .08
Tri, 5lb bot...	D ... : 2.50	52% 100lb chy. wh...	D ... : .10
Chlorosulfonic, 1500lb drs.		52% 10 chys. wh...	D ... : .14
whs...	D .15 : .16	60% 100lb chy. wh...	D ... : .11
Chromic, USP, 200lb drums...	D ... : .87	60% 300lb drs. chy. wh...	D ... : .14
85% pure, 200lb drums...	D ... : .85	White Acid, 100lb chy. wh...	D ... : .18
Chromotropic, 200lb tins...	D ... : 1.85	White Acid, 10 chys. wh...	D ... : .26
Chrysophanic, see Curryachin		Hydrofluosilicic, 35% 450lb bbls.	
Cinnamic, 5lb cans...	D 3.25 : 3.50	wh...	D ... : .06
CITRIC, USP, cryst. 230lb bbls. D	D ... : .45%	30% 100lb chy. wh...	D ... : .08
Powd., USP, 200lb bbls. D	D ... : .46%	52% 100lb chy. wh...	D ... : .10
Imported, crys. 112lb bags...	D .46 : .48%	60% 100lb chy. wh...	D ... : .14
Single bags...	D ... : .47	60% dark, bbls...	D ... : .11
Cream, 250lb bbls...	D .95 : .97	44% dark, bbls...	D ... : .13
Cresylic, 95% dark dr. NY...gal	D .55 : .60	44% light, bbls...	D ... : .13
Glacial, 1c/l whs...	D .60 : .65	66% dark, bbls...	D ... : .18
Glacial, USP chy. whs...	D .11.26	66% light, bbls...	D ... : .26
Magnesium, 250lb bbls...	D .11.76	USP, IX 100lb chys...	D ... : .70
Acetylalicylic, 220lb bbls...	D .75 : .80	USP, VIII 100lb chys...	D ... : .59
Second Hand...	D .70 : .72	Laurent's, 250lb bbls...	D .80 : .85
Anthranilic, tech., drs...	D .80	Metanilic, 250lb bbls...	D .60 : .65
99-100% 100lb drs...	D .98 : 1.00	Mixed, sulfuric-nitric	
Benzene, tech., 100lb bbls...	D .85	Drums, wh...	N Unit .07% : .08
Tere. ton lots bbls...	D .80	Drums, wh...	N Unit .01 : .01%
USP, 100lb bbls...	D .70 : .72	Tank car, wh...	N Unit .06 : .06%
Second Hand...	D .60 : .70	Tank car, wh...	N Unit .008 : .01
Boric, crys. powd. 250lb bbls...	D .69% : .70	Molybdic, 85% pure 100lb bags...	1.80 : 1.60
Kgs. 100lb drs...	D .10 : .10%	100% C.P. 100lb bags...	2.00 : 2.10
Bromo's 250lb bbls...	D ... : 1.25	Monesulfonic F. Delta, 50lb	
		time	D 1.80 : 2.00

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THE AMMONIA CORPORATION **65 BROADWAY, NEW YORK**

[APRIL 1, 1925]

Chemicals

ACID	ACID	ACID
MURIATIC, 20° chys., 16/1 wks. 100 lb. 1.60 : 1.75	Picric, 450 lb. bbls. lb .28 : .27	Tungstic, 100 lb. kegs.... lb ... : 1.00
Chys. c/l wks. 100 lb. : 1.85	Bols. car lots. wks. lb ... : .25	Valeric, C.P., 10 lb. bot.... lb 2.50 : 2.75
Tank cars, wks. 100 lb. : 1.00	Fynolic, cry. 5 lb. cans.... lb 1.25 : 1.80	Acetidine Alk. cryst. 1 oz. vls...oz ... : 30.00
18°, 120 lb. chys.	Resublimed, 5 lb. cans lb 1.50 : 1.60	Amorphous, 1 oz. vls....oz ... : 20.00
c/l wks. 100 lb. : 1.35	Tech. powd., 200lb. bbls....lb ... : .85	Adew Lanze, hydrous 350 lb. bbls. lb .15 : .21
Tank cars, wks. net ton ... : ...	Salicylic, tech., 125 lb. bbls....lb .33 : .34	Anhydrous, 350 lb. bbls....lb .15 : .28
22°, 120 lb. chys.	U.S.P., 100 lb. bbls. lb ... : .35	Albumen, Egg, edible .....lb 1.23 : 1.24
c/l wks. 100 lb. : 1.85	Second Hands .....lb .33 : .34	100 lb. drs. ....lb .95 : 1.15
Muriatic, C.P. & U.S.P. see Acid Hydrochloric	Sulfuric, 250 lb. bbls. lb .18 : .20	Blood .....lb .47 : .50
Naphthalene, tech. 250 lb. bbls. lb .55 : .59	SULFURIC, 68° 180 lb. chys. le/l wks. 100 lb. 1.50 : 1.85	Vegetable .....lb .70 : .75
Refined, single bbls. lb ... : .68	Chys. c/l wks. 100 lb. : 1.25	ALCOHOL, U.S.P., 190 pf. 50 gal.
Nevis & Winter's, 250 lb. bbls. lb. 1.00 : 1.05	1500 lb. Drums, le/l wks. 100 lb. : 1.85	bbls. ....gal 4.90 : 5.00
NYTRIC, 36°, 135 lb.	Drums, c/l wks. 100 lb. : 1.00	Second Hands, bbls, U.S.P. 190
Chys. le/l wks. 100 lb. 4.75 : 5.00	Tank cars, wks. net ton ... : 14.00	pf. ....gal ... : ...
Chys. c/l wks. 100 lb. 4.50 : 4.75	50° 1500 lb. Drums le/l wks. 100 lb. : 1.00	Export, U.S.P. 190 pf. ....gal .60 : .85
38° le/l chys. wks. 100 lb. 5.25 : 5.75	Drums, c/l wks. lb ... : .80	Cologne Spirit, 50 gal. bbls.gal 5.00 : 6.10
Chys. c/l wks. 100 lb. 5.00 : 5.25	Tank cars, wks. net ton 0.50 : 10.00	WEED, see Methanol
40° le/l chys. wks. 100 lb. 5.75 : 6.00	C.P. 175 lb. chys. lb .07 : .08	Alcohols also in 50 gal. drums extra and returnable.
Chys. c/l wks. 100 lb. 5.50 : 5.75	Oleum 20 p.e. 1500 lb. drums le/l wks. 100 lb. : 1.40	Butyl, 50 gal. drums, wks....lb .27½ : .29
43° le/l chys., wks. 100 lb. 6.25 : 6.75	Drums, c/l wks. 100 lb. : 1.15	Tank cars, wks. lb ... : .27
Chys. c/l wks. 100 lb. 6.00 : 6.25	Tank cars, wks. net ton 17.00 : 18.00	Isobutyl, erode, 50 gal. drs....gal ... : ...
C. P. chys. single wks. 100 lb. .12 : .13	Oleum, 40% drs le/l wks.net ton ... : 40.00	Refined, 10 lb. can ....lb ... : ...
Oralle, 300 lb. bbls., wks....lb .10%: .11	Oleum, 60% drs, le/l wks. net	Isopropyl, Refined, 90-91%, 50 gal. drs. ....gal 1.00 : 1.25
Bols, NY lb. .11 : .11½	ton 60.00 : 70.00	Ref'd, 98-99%, drs....gal 2.00 : 2.25
Kegs, 100 lb. NY lb. .11½ : .11½	Sulfurous, U.S.P. 6% 100 lb. chys. lb .05 : .06	Propyl, nml. erd 50 gal. drs....gal ... : 4.40
Imp. 500 lb. casks lb. : .10%	U.S.P. 5 gal. demis. lb .06 : .08	Refined, 10 lb. cans ....lb ... : .75
Phencyclononinic, domestic .. lb. 3.20 : 3.60	Tannic, tech. 300 lb. bbls....lb .30 : .40	Denatured
Imported, 5 lb. lb. 4.00 : 4.25	U.S.P. powd. 200 lb. bbls....lb .75 : .80	No. 1, Complete Denat. 190 Proof 50 gal. bbl. incl. ....gal .61½ : .63½
Phosphoric, 50% tech. 150 lb. chys. lb. .07 : .07½	U.S.P. fluffy, 50 lb. bbls....lb .75 : .80	Car lots .....gal ... : .59½
U.S.P. Syrup 55°, 70 lb. demis lb. .15 : .17	Tartaric, U.S.P. cryst. 300 lb. bbls. lb ... : .29	50 gal. drums, extra....gal .54½ : .56½
Imported lb. : ...	U.S.P. powd. 300 lb. bbls. lb ... : .29	Car lots .....gal ... : .52½
Second Hands lb. : .16	Imp. U.S.P., 240 lb. bbls. ....lb .28 : .28½	No. 1, Special Denat. 190 Proof 50 gal. bbl. incl. ....gal .60½ : .62½
Phthalic, see Phthalic Anhydride	Powd., 240 lb. bbls.lb .28 : .28½	Car lotsgal ... : .58½
Picramic, 300 lb. bbls. lb. : .50	Tobias, 250 lb. bbls.lb ... : .55	

ACETATES

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GENERAL CHEMICALS

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HYDROCHLORIC ACID	ANHYDROUS
NITRIC ACID	BISULPHITE SODA
SODIUM SULPHIDE	TRI SODIUM PHOSPHATE
Chip Patented	GLAUBERS SALT

SULPHURIC ACID

Oil of Vitriol - Oleum - Mixed Acid - Battery Acid

ACETIC ACID

Commercial, Redistilled, Pure and Glacial

CHEMICALLY PURE ACIDS AND AMMONIA

INSECTICIDES AND FUNGICIDES



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The Nichols Chemical Co., Ltd., Montreal

Cable Address, Lycurgus, N.Y.

Chemicals

ALCOHOL, DENAT. (Cont.)

50 gal. drums, extra.....gal.	.53%	.5514
Car lots .....gal.	..	.51%
No. 5, Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal.	.59%	.61%
Car lots .....gal.	..	.57%
50 gal. drums, Extra .....	.52%	.54%
Car lots .....gal.	..	.50%
No. 6, Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal.	.58%	.60%
Car lots .....gal.	..	.56%
50 gal. drums, extra.....gal.	.51%	.53%
Car lots .....gal.	..	.49%

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their use, however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Alcohol, USP, 100 lb cases.....lb	.85	: .88
Alpha-Naphthol crude 300 lb bbls. lb	...	: .65
Refined .....lb	.85	: .90
Alpha-Naphthylamine, 350 lb bbls. lb	.35	: .37
Total lots, bbls. wks.....lb	..	: .35
AMUL, Ammonia, lump 400 lb bbls. wks, e/l .....lb	3.15	: 5.50
Imp., 500 lb cases 170 lb		
Ground, 400 lb bbls. wks. 100 lb	3.30	: 3.75
Powd. 380 lb bbls. wks. 100 lb	3.55	: 3.9
Chrome, 500 lb cas. wks. 100 lb	5.50	: 6.00
Petrol., lump 400 lb bbls. wks. ....lb	3.25	: 3.50
Bals., e/l wks. ....lb	3.25	: 3.50
Ground, 400 lb bbls. wks. 100 lb	3.40	: 3.75

ALUMS, Potash (Cont.)

Imp. 350 lb casks	100 lb	2.65	: 2.75
Powd., 380 lb bbls. wks. 100 lb	3.65	: 4.00	
Chrome, 500 lb cas. wks. 100 lb	5.50	: 6.00	
Soda grnd. 400 lb bbls. wks. 100 lb	...	: 3.75	
....e/l wks. ....lb	100 lb	...	: 3.00
Aluminum, metal, e/l NY. 100 lb	27.00	: 28.00	
Chloride, anhyd. 275 lb drs. ....lb	20	: .22	
Crystals, 375 lb bbls. ....lb	...	: .06%	
30% sol. light 90 lb bbls. lb	..	: .03%	
Heavy 62-64%, 220 lb bags lb	.06	: .06%	
400 lb bbls. wks. ....lb	..	: .06%	
Stearate, 100 lb bbls. ....lb	..	: .21%	

SULFATE, Iron-free bags e/l wks. ....lb	100 lb	2.00	: 2.10
Bags, e/l wks. ....lb	100 lb	2.15	: 2.25
Imported, spot. ....lb	100 lb	1.70	: 1.75
Comm'l. 1/2% iron bags e/l wks. ....lb	100 lb	1.70	: 1.75
Cont. bags, e/l wks. E. 100 lb	1.35	: 1.40	
Bags, e/l wks. W. ....100 lb	..	: 1.40	
Bags, e/l wks. East. ....100 lb	..	: 1.55	
Bulk, e/l cont. bags E. 100 lb	..	: 1.50	

Amidol (see Diaminophenol)

Amidopyrine, Imp., 10 lb boxes. lb	...	: ...
Domestic, 10 lb boxes. ....lb	4.50	: 4.75
Aminobenzene, 110 lb kegs. lb	...	: 1.15
Ammon. Sulf., bulk wks. ....lb	2.95	: 3.15
Double, tga. f.a.s. NY. ....100 lb	...	: 2.95
Single, tga. wks. ....100 lb	...	: 2.90
AMMONIA, anhyd. 100 lb cyl. ....lb	...	: .30
Water, 26° 800 lb drs. wks. ....lb	...	: .06%
Dra. e/l wks. ....lb	...	: .06%
C.P., crya. ....lb	...	: .12
Imp. 800 lb drs. incl. spot. ....lb	..	: .06%
28° 100 lb drs. e/l wks. ....lb	..	: .08%
Crya. e/l wks. ....lb	..	: .08%
20° 800 lb drs. e/l wks. ....lb	..	: .04%
Crya. e/l wks. ....lb	..	: .05%
18° 800 lb drs. e/l wks. ....lb	..	: .04%
Crya. e/l wks. ....lb	..	: .04%

AMMONIA (Cont.)

16° 800 lb drs. e/l wks. ....lb	..	: .08%
Crya. le/l wks. ....lb	..	: .04
Ammonium Acetate, 100 lb kegs. lb	..	: .43
Benzonite, USP, 1 lb box. ....lb	..	: 1.27
Bifluoride, 300 lb bbls. ....lb	.22	: .23
...in wks. ....lb	..	: .24
Bromide, 450 lb bbls. 50 lb hex. lb	.53	: .54
Imported, 112 lb boxes. ....lb	.47	: .49
Carb. tech. 569 lb cases. ....lb	..	: .09
Powd. tech. 385 lb bbls. lb	..	: .08
USP, lump, 100 lb kegs. ....lb	..	: .14
Powd., 100 lb kegs. ....lb	..	: .15
Chloride, Domestic		
White, 250 lb bbls. e/l wks. ....lb	..	: .07
250 lb bbls. le/l wks. ....lb	..	: .07%
Imp. wh. 600 lb casks spot. lb	..	: .05%
Gray, 250 lb bbls. wks. ....lb	..	: .08%
Bbls. e/l wks. ....lb	..	: .07%
Imp. gray 250 lb casks. ....lb	..	: .06%
Lump, 500 lb casks spot. ....lb	.12	: .12%
Iodohydrate, as to brand. ....lb	4.85	: 5.00
Iodide, USP, 25 lb jars. ....lb	..	: 5.20
Lactate, 500 lb bbls. ....lb	.15	: .16
Nitrate, tech. crya. 225 lb bbls. lb	..	
Refined Crystals, bbls. ....lb	..	
CP gran. 100 lb kegs. ....lb	.35	: .37
Oxalate, pure, 100 lb kegs. ....lb	.35	: .37
Persulfate, 112 lb cases. ....lb	.30	: .35
Phosphate dibasic 200 lb bbls. lb	..	: .38
...tech. powd. 325 lb bbls. lb	..	: .18
Phosphoric, mono, 325 lb bbls. lb	.12	: .12%
Salicylate, USP, 100 lb kegs. ....lb	.75	: .80
Sulfate, bulk, e/l wks. ....100 lb	2.75	: 2.80
200 lb single bs. e/l wks. 100 lb	..	: 2.90
200 lb double bgs. f.a.s. 100 lb	..	: 3.07%
Sulfonyamide, tech., 100 lb kegs. ....lb	.45	: .50
CP, 25 lb jars. ....lb	.50	: .55
Anil. Acetate, tech. 50 gal. drs.gal	2.75	: 3.25
Refined, 50 gal. drums.gal	3.50	: 4.00
Alcohol, see Fuel oil		

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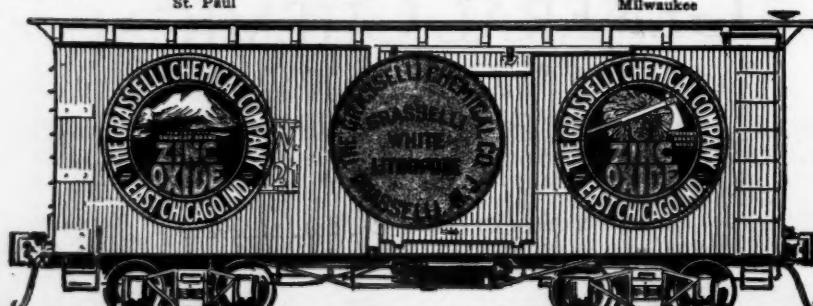
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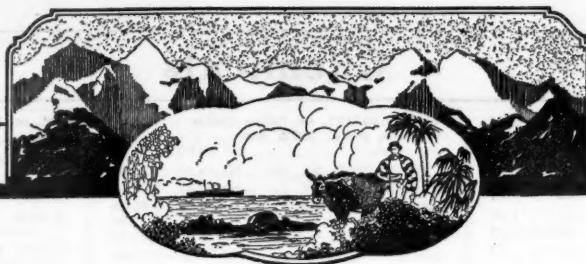
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Chemicals

ANILINE OIL, 900 lb. drs.	B.	.16	: .17	Barium Binoxide, see Barium dioxide
Aniline Salt, 200 lb. bbls.	B.	.20	: .22	Carbonate, precip., 500 lb. bbls.
Annotin, fine	B.	.41	: .43	Wt.
Anthracene, 80-85%, 600 lb. cases	B.	.65	: .70	Precip., 200 lb. bags, wts.
 Wt.	B.	.65	: .70	ton 56.00 : 58.00
Anthraquinone, subl. 125 lb. bbls.	B.	1.00	: 1.15	Imports, bbls., NY
Antimony metal, slate, ten lots, 100 lb.	B.	.13%	: .14	500 lb. bbls., wts.
 Needle Powd., 100 lb. cases	B.	.13	: .15	200 lb. bags, wts.
ANTIMONY CHLORIDE, anhyd 1000 lb. drs.	B.	..	: .35	ton 70.00 : 72.50
 50 lb. bricks	B.	.45	: .48	Imports, bbls., spot
 Sol'n, 120 lb. cartons 33%.	B.	..	: .06	50 lb. boxes
Oxide, 500 lb. bbls.	B.	.17	: .18	Nitrate, 700 lb. cases
Salt, dem. 500 lb. bbls.	B.	..	: .25	Import cases
 Imp., NY	B.	..	: .23%	Sulfocyanide, 600 lb. bbls.
Sulfur, golden 500 lb. bbls.	B.	.19	: .23	Barwood, chips
 350 lb. bags	B.	.23	: .24	Barytes, French 550 lb. bbls. wts.
Cresine, 500 lb. bbls.	B.	.43	: .48	ton 23.00 : 24.00
 326 lb. bags	B.	.48	: .50	Imports
Vermilion, 500 lb. bbls.	B.	.50	: .65	Catala, c.i.f.
 326 lb. bags	B.	.53	: .68	ton 9.00
Tartaracetate, 500 lb. bbls.	B.	..	: .45	Bay Rum, Porto Rico, genuine
Antipyrine, USP, 100 lb. cases	B.	1.75	: 1.90	Medicated salicyl. acid or tartar emetic
Amorphous Hydride, ½ oz. vials	oz.	..	: 22.75	45 gal. bbls.
Archil, double 600 lb. bbls.	B.	.18	: .14	Medicated quinine sulf. 45 gal.
 Triple, 600 lb. bbls.	B.	.16	: .17	bbls.
 Cone, 600 lb. bbls.	B.	.18	: .30	Domestic synthetic, 50 gal.
Areosine Hydrogenide, 1 oz. vials	oz.	6.25	: 7.82	Bals.
Argal, red powd., 550 lb. bbls.	B.	.06	: .07	St. Thomas
Arsenic, metal, 220 lb. bags	B.	..	: .45	Medicated salicyl. acid or tartar emetic
 Brd., 234 lb. bags cases	B.	..	: .13%	50 gal. bbls. gal.
 White, 220 lb. cases to 550 lb. bbls., NY	B.	.04%	: .05%	USP, 40 lb. chys.
Asbestone, q/t	ton	16.00	: 18.00	FCC, 40 lb. chys.
 lb/t	ton	30.00	: 32.00	ton 1.20 : 1.40
Aspirin, see Acid acetyl salicylic	oz.	..	..	ton 1.50 : 1.60
Atropine, Alk., USP, 1 oz. vials	oz.	5.00	: 5.57	BENZENE, 90% 8000 gal. tanks
 Sulfate, 5 oz. cans	oz.	..	: 2.75	Wt.
 Single source	oz.	..	: 2.92	110 gal. drs., wts.
				50 gal. drs., wts.
				170 gal. drs., wts.
				Benzidine Base, dry 250 lb. bbls.
				Benzidine Sulfate, paste 250 lb. bbls.
				Benzidine Sulfate,
				Benz.
				Benzophenol, 5 lb. bars
				Benzyl Chloride, 500 lb. drs.
				Benzyl Acetate, 100 lb. chys.
				Alcohol, 5 lb. bot.
				Benzene, 5 lb. bot.
				Medicinal FFC
				Chloride, 95% tech. 925 lb. drs.
				100 lb. crys.
				Redistill. 160 lb. chys.
				Formate, 1 lb. bot.
				Berberine Hydrochloride, 1 lb. bot.
				Sulfate, acid or neut. 1 lb. bot.
				BETA-NAPHTHOL, 350 lb. bbls. wts.
				Carols, wts.
				Sublimed
				Beta-Naphthylamine, tech. 200 lb. bbls.
				Sublimed, 200 lb. bbls.
				Bichloride Mercury, see Mercury Bichloride
				BISMUTH metal, 100 lb. cans
				Second Hands
				Ammon. Citrate, USP, 5 lb. cans
				Betanaphthalone, 5 lb. cans
				Citrate, USP, 5 lb. cans
				Nitrate, 25 lb. jars
				Oxychloride, 25 lb. cans
				Phenolsulfonate, 5 lb. cans
				Salicylate, 25 lb. cans
				Subcarbonate, UEP, 25 lb. cans
				X-Ray diag. 1 lb. bot.
				Subgalate, UEP, 25 lb. cans
				Subiodide, 5 lb. lots
				Subnitrate, UEP, 25 lb. jars
				Second Hands
				Cone, 1 lb. bot.
				Subnaphthalate, UEP, 25 lbs.
				Subsalicylate, UEP, 25 lbs.

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Chemicals

BISMUTH (Continued)

Tannate, 1lb bot.	... : 2.25
above on basis 25 lb. lots.	
Smaller lots at an advance.	
Blanc Fixe, dry 400 lb. bbls. wks. ton	80.00 : 90.00
Imported, bbls.	ton 70.00 : 72.00
Paste, 650 lb. bbls.	ton 55.00 : 65.00

BLEACHING POWDER, 700 lb. drs.

c/l wks.	100 lb. ... : 2.00
Drums, c/l ex-warehouse	100 lb. 2.35 : 2.60
Contract, c/l wks.	100 lb. 1.90 : 2.15
Drums, c/l wks.	100 lb. 2.15 : 2.40
Imported, spot	100 lb. ... : ...
Blood, dried, f.o.b. NY.	unit 3.50 : 3.60
Chicago	unit ... : 3.40

Blue Ointment, see Mercury

Blue, bronze Chinese, Milled,

Prussian, Soluble	lb. .35 : .37
Blue Vitriol, see Copper Sulfate	

Bone, 3 & 50 gr. steam, Chgs.	unit 32.50 : 33.00
Raw, NY.	ton .36 : .38

Bone Ash, 100 lb. kegs	lb. .06 : .07
Black, 200 lb. bbls.	lb. ... : .06

Benz, cry. 400 lb. bbls.	lb. .05% : .05%
Powdered, 300 lb. bbls.	lb. .05 : .05%

Kegs, 100-150 lb.	lb. .05% : .06
Bordeaux Mixture, 16% pd. bbls.	lb. .11% : .18

Paste, bbls.	lb. .08 : .18
Borsol, 1lb. bot.	lb. ... : 3.50

Brimstone, see Sulfur	
Butyl Acetate, tank cars, wks. gal.	... : 2.25

Drums, c/l wks.	... : 2.27
(Freight allowed)	

British Gum, com. c/l	100 lb. 5.02 : 5.07
lc/l	100 lb. 5.12 : 5.17

Potatoe, lc/l	... : .09
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Bromine, bot. in 50 lb. cs. wks. lb.	... : .47
Bromobenzene, 600 lb. drums.	lb. .40 : .42

Bromiform, USP 5 lb. bot 50 lb. cs. lb.	... : 1.65
Bromo Alkaloid, 100 ozs.	... : .10

Sulfate, 100 ozs.	... : .10
Butter of Antimony, see Antimony Chloride	

CADMIUM, metal 100 lb. bxs.	lb. .70 : .75
Bromide, 50 lb. cases jars.	lb. ... : 1.20

CADMIUM (Continued)

Iodide, 10lb bot.	lb. ... : 4.45
Sulfide, cs.	lb. 1.50 : 1.80
Second Hand	lb. 3.75 : 3.85
Hydrochloride, 1lb bot.	lb. 3.50 : 3.60
Sulfate, 1lb bot.	lb. 6.05 : 6.55
Citrated, 25 lb. cans	lb. 5.40 : 5.90
Hydrobromide, 1lb bot.	lb. 2.70 : 2.80
Hydrobromide, 1lb bot.	lb. 4.65 : 4.90

CALCIUM (Continued)

Acetate, 150 lb. bgs. c/l	100 lb. ... : 3.00
Arsenate, 100 lb. bbls. c/l wks.	lb. .06 : .08
Bromide, 100 lb. cs.	lb. ... : .06
Carbide, 220 lb. c/l wks.	lb. ... : .04 1/2
Carbonate, tech., 100 lb. bags	lb. ... : .04

CALCIUM (Continued)

c/l	100 lb. ... : 1.10
USP, precip. 175 lb. bbls.	lb. ... : .06 1/2
Chloride, solid, 650 lb. drs. c/l	lb. ... : .06
f.o.b. wks.	ton 21.00 : 23.00
Imp.	ton 19.00 : 20.00

CALCIUM (Continued)

Flake, 375 lb. drs. c/l f.o.b. wks.	ton ... : 27.00
Anhyd. 350 lb. drs. f.o.b. NY.	lb. .18 : .20
Glycerophosphate, 250 lb. bbls.	lb. ... : 1.40
Hydrate, see Lime	
Hypophosphite, USP, 25 lb. cans	lb. .60 : .65

CALCIUM (Continued)

Iodide, 5 lb. bot.	lb. ... : .40
Lactate, tech., 500 lb. bbls.	lb. ... : .13 1/2
USP.	lb. .50 : .60
Nitrate, 220 lb. bbls. c/l NY.	ton ... : 50.00
Phosphate, tech., 450 lb. bbls.	lb. .09 : .10

CALCIUM (Continued)

Phosphate, precip. tribasic, 200 lb. bbls.	lb. ... : .11
Phosphate, mono, 325 lb. bbls.	lb. .07 : .08
Sulfocarbonate, 100 lb. kegs.	lb. .55 : .57
Cellulose Acetate, 100 lb. cases	lb. 1.75 : 2.00

CALCIUM (Continued)

Cerium Oxalate, USP 100 lb. kegs.	lb. .35 : .36
Chalk, drop 175 lb. bbls.	lb. ... : .08 1/2
Precip. light 250 lb. cans.	lb. .04 1/2 : .04 1/2
Precip. heavy 560 lb. cans.	lb. .03 1/2 : .03 1/2
Bulk	ton 5.00 : 8.00

CALCIUM (Continued)

Precip. English, 7lb bags.	lb. .07 1/2 : .08 1/2
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CALCIUM (Continued)

Charcoal, Bone, see bone black	
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CAMPHOR (Cont.)

Jap. ref. 2 1/2 lb. slabs, 100 lb.	lb. ... : .77 1/2
1 lb. tabs.	lb. ... : .00
1/2 lb. tabs.	lb. ... : .01
Chinese ref. 2 1/2 lb. slabs 100 lb.	lb. ... : .01
Crude, 100 lb. cs.	lb. .54 : .56

Camphor, Liniment, bbls.	gal. 2.30 : 2.40
Camphor, Monobrom., 100 lb. cs.	lb. 1.85 : 1.90
Camwood, chips	lb. .09 : .10
Caramel, 50 gal. bbls.	gal. .85 : .90
Carbasol, 250 lb. bbls.	lb. ... : .80

Carbon Bisulfide, 500 lb. drs. incl/NY	lb. .06 : .06 1/2
c/l drums, NY	lb. ... : .05 1/2
Carbon Black, c/l wks. bags	lb. .06 : .06 1/2
100-300 lb. cases 1/2 wks. NY	lb. .09 : .10
Carbon Dioxide, Liquid, 20-25 cy. lb.	lb. ... : .08

Carbon Tetrachloride, 1400 lb. drs.	lb. ... : .07 1/2
Drums, c/l NY	lb. ... : .06 1/2
700 lb. drs. single NY	lb. .07 1/2 : .08
Carmine, No. 40, 5 lb. boxes	lb. 4.50 : 4.75
Casden, edin., 100 lb. kegs	lb. ... : .45

Tech. Imp., 200 lb. bbls.	lb. .13 : .13 1/2
Tech. Dom.	lb. ... : .16
Castoreum, 1lb. boxes	lb. 4.00 : 4.50
Castor Oil, 50 gal. bbls.	lb. ... : .17 1/2
Cases, 80 lb. 2 tins	lb. ... : .18 1/2

Caustic Potash, see potash, caustic Soda, see soda, caustic	
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Cellulose Acetate, 100 lb. cases	lb. 1.75 : 2.00
Cerium Oxalate, USP 100 lb. kegs	lb. .35 : .36
Chalk, drop 175 lb. bbls	lb. ... : .08
Precip. light 250 lb. cans	lb. .04 1/2 : .04 1/2
Precip. heavy 560 lb. cans	lb. .03 1/2 : .03 1/2

Bulk	ton 5.00 : 8.00
Precip. English, 7lb bags	lb. .07 1/2 : .08 1/2
Charcoal, Bone, see bone black	
Cables : Hoskwil	



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Chemicals

Cinch. Rangoon, 100 lb bales...lb	... : .18	Egg Yolk, spray, 150 lb cs.....lb	.45 : .48	FERRIC CHLORIDE, tech. crys.
Borneo, solid, 100 lb bales...lb	.05% : .06	Emetine alk., 15 gr. vials.....ea	... : 1.30	475 lb bbls. ....lb .08 : .10
Liquid, 450 lb bbls. ....lb	.08 : .11	Hydralide, USP, 1 oz. vials...oz	... : 19.07	Imported .....lb .04% : .05
Tablets, 120 lb boxes...lb	.13 : .14	15 gr. vials .....oz	... : .82	C.P. crys. 100 lb kegs....lb
Cyanamide, bulk, c/l wks. Amm. unit	2.05 : 2.10	EPSON SALT, tech. 300 lb bbls.	... .....	Imported .....lb .06 : .06%
March & April, ....unit	... : 2.10	NY .....100 lb	... : 2.15	Neut. Sol'n 42° 140 lb crys..lb .06% : .07
Cyclohexanol, see Hexane	.....	Bbls. c/l NY.....100 lb	... : 2.00	46°, 140 chya .....lb .08 : .08%
Cymene, See Para-Cymene	.....	100 lb bgs., c/l NY.....100 lb	1.60 : 1.75	USP Sol'n 125 lb chya.....lb .06% : .07
Dextrin, corn 140 lb bags c/l 100 lb	... : 4.72	Imp., 220 lb bags, c/l	.....
Bags, 1c/l .....100 lb	4.82	NY .....100 lb	1.30 : 1.35	Ferrous Chloride, crys. tech.
Yellow, bags, c/l .....100 lb	4.77	USP, 300 lb bbls. 10 bbls. 100 lb	... : 2.50	475 lb bbls. ....lb .06 : .06%
Bags, 1c/l .....100 lb	4.87	Carbols, bbls. ....100 lb	2.00 : 2.30	Ferrous Sulfide, 1000 lb bbls. 100 lb
Potato, 220 lb bags, 1c/l...lb	... : .08%	Imported, 400 lb bbls. 100 lb	1.85 : 1.90	2.50 : 3.00
Yellow, 220 lb bags	... : .09	100 lb kegs .....100 lb	2.00 : 2.35	Fish Scrap, dried wks. ....unit. 4.50 & 10
Tarcoa, 200 lb bags, 1c/l...lb	... : .08%	Ergotin, Bonjean, 1 lb jars....lb	6.00 : 6.35	Acid, Bulk. 7 & 3½, Deliv.
DIAMINOPRENOL, 100 lb bgs...lb	3.80	Keratin alk., 1 oz. vials...oz	... : 30.07	Norfolk & Balt. basic. unit 4.50 & 50
Diamidine, 100 lb bgs...lb	3.50 : 3.60	Salicylate, USP, 1 oz. vials...oz	... : 22.07	Flake-White, see lead white
Dichlorobenzene, 1000 lb drs...lb	.08 : .07	Sulfate, USP VIII, 1 oz. vials...oz	... : 17.07	Flavine .....lb .05 : 1.00
Dithiobisamine, 400 lb drs...lb	... : 2.50	THEIN, USP, 55 lb drums.....lb	... : .16	Fluorpar, 95% 220 lb bags, ex-
Dithiobisamine, 850 lb drs...lb	.62 : .64	Anaesthesia, 55 lb drums.....lb	... : .19	dock .....ton ... : 25.00
Dithiobisphenol, 25 lb cans...lb	.40 : .45	USP, 1880 55 lb drums.....lb	... : .45	96% bgs. .....ton ... : 33.50
1000 drs. ....lb	.35 : .40	Washed, 55 lb drums.....lb	... : .87	98% bgs. .....ton ... : 35.00
Dithy Sulfate tech. 50 gal. drs...lb	... : .20	Motor, 1 lb cans .....lb	... : .31	
CP drums .....lb	.40 : .50	Ether, Nitro, 1 lb bot.....lb	.92 : .95	FORMALDEHYDE, USP 400 lb bbls.
Digitalin, Pure, 1 oz. vial....oz	9.75 : 10.25	Ethy Acetate, 98% 50 gal. drs. gal	1.15 : 1.18	c/l wks. ....lb .09 : .09%
Dimethylaminine, 840 lb drs. wks...lb	.33 : .35	85% Ester, 100 gal. drs. gal	... : .90	Carboys, 100 lb 1c/l wks. ....lb .10 : .10%
Dimethylamine, 400 lb drs...lb	... : 2.80	Carols, drums .....gal	... : .87	Bbls., 400 lb 1c/l wks. ....lb .10 : .10%
Dimethylsulfate, 100 lb drs...lb	... : .50	Tanks Cars .....gal	... : .85	Second Hands .....lb .09% : .09%
Dinitrobenzene, 400 lb bbls...lb	.15 : .18	Refined, drums .....gal	1.72 : 1.85	Fossil Flour .....lb .02% : .04
Dinitrochlorobenzene, 400 lb bbls...lb	.15 : .18	Bromide, 115 lb drs. ....lb	... : .40	Formicaine .....lb .40 : .45
Dinitrochlorobenzene, 300 lb bbls...lb	.18 : .19	Chloride, 200 lb drs., 15 lb cyl. lb	.26 : .35	Fuller's Earth, 200 lb bgs. e/l
Dinitrophthalene, 350 lb bbls...lb	.33 : .34	Methyl Ketone, 50 gal. drs...lb	.25 : .25%	mines .....ton 15.00 : 17.00
Dinitrophenol, 350 lb bbls...lb	.32 : .35	Morphine, see Morphine, Ethyl	.....	Imported, 230 lb bags, NY....ton 35.00 : 40.00
Dinitrotoluene, 300 lb bbls...lb	.19 : .20	Ethyl Benzyl Amine, 200 lb drs. lb	1.10 : 1.15	Furfural, 300 lb bbls. ....lb .22 : .25
Dionin, see Morphine, Ethyl	.....	Ethylene Bromide, 600 lb drs...lb	... : .70	Fuse Oil, 10% Impurities, drs. lb
Diphenylguanidine, 5,000 lbs.	... : .48	Glycol .....lb	.50 : .60	Fusible, solid 50 lb boxes.....lb .16 : .17
100 lbs. ....lb	1.05 : 1.10	Chlorhydrin, anhyd. 50 gal. drs. lb	.75 : .85	Crystals, 100 lb boxes.....lb .18 : .19
Divi Divi Extract .....lb	... : .04%	40% Solution, 50 gal. bbls. lb	.35 : .38	Liquid, 51°, 600 lb bbls....lb .07 : .11
Divi Divi, pods, bags .....ton	... : 53.00	Dichloride, 50 gal. drs...lb	.20 : .25	Fustic, sticks .....ton 30.00 : 32.00
Dover's Powder, USP 5lb tins...lb	2.20 : 2.30	Ethyldeneaniline .....lb	.45 : .50	Chips .....lb .04 : .05
Duboisine Sulfate, 1 oz. vial....oz	... : 20.07	Eucalyptol, 25 lb cans .....lb	... : .90	6. SALT, paste 350 lb bbls. basis
EARTH, Diatomaceous, see Kieselguhr	Feldspar, bulkton 20.00 : 25.00	10%lb .50 : .52	
				Gall extractlb .15 : .18

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Gambier, 25% liq. 450 lb. bbls. ¹	.14	: .15	HEMATINE, Paste, 500 lb. bbls. ¹	.09%	: .13	Iodine Tinct. USP, 50 gal. bbls. ¹	4.50	: 4.55
Common, 200 lb. cans	.19%	: .20	Crystals, 400 lb. bbls. ¹	.14	: .18	Carboys	4.55	: 4.60
Singapore cubes, 5 lb. bags	.22		Hemlock, 25% 600 lb. bbls. w/w. lb.	.08%	: .03%	Seesaw Hands	4.80	: 4.40
Gelatin, U.S.P. silver lobl. 100 lb. cans	.60	: .65	Hemlock, bark	.00		Iodoform, powd., 10 lb. bot.		: 5.50
Gold Label, 100 D. cans	.00		Hexalene, 50 gal. drs. w/w. gal.	.00		Crystals, 10 lb. bot.		: 5.50
Technical, 100 D. cans	.45	: .50	Hexamethylenetetramine, USP			Iridium, metal 10 oz. lots		: 360.00
GLAUBER'S SALT, tech. 200lb. bags,			100 lb. drums	.65	: .70	Iron, metal by hydrogen 1 lb. bot.	.80	: 1.00
c/l w/w.			Imported	.58	: .60	IRON & AMM. CITRATE, USP 50 lb.		
1/2 lb. w/w.			Bubber Makers, Impexp. Pd.			cans		
350 lb. bbls., c/l w/w.			dr.	.83%	: .85	Green scales, 500 lb.		
bbls. le/l w/w.			Homatropine Hydrobrom. USP 1 oz.			Cadoblate, 100 lb. bot.		
Imported, bags, NY			vials			Citrate, USP VIII 25 lb. cans.		
USP, 300 lb. bbls. Imp. sp. 100 lb.			Five oz., 1 oz. vials			Chloride, see Ferric or ferrous		
USP, 300 lb. bbls. sp. 100 lb.			Hydratrine Alk. USP, 1 oz. vial. oz.			Molybphosphate, 5 lb. cans.		
USP, 300 lb. bbls. c/l w/w. 100 D.			Hydichlide, USP, 1 oz. vial. oz.			Syrup, USP VIII		
Calcinde, see Sodium Sulphite			Sulfate, 1 oz. vials			Iodide, 1 lb. bot.		
Glucose, (Grape Sugar) dry, 100			Hydrastinine Hydichlide, USP 15 gr.			cyrup, USP, 5 lb. bot.		
70 lb. bags, c/l NY...100lb	4.29	: 4.54	vials			Nitrate, bags		
Syrup, Drs. bbls., c/l NY 100lb	4.36	: 4.45	Hydrazobenzene 100lb bags			Com'l. bbls.	100 D.	: 3.25
le/l NY ...100lb	4.36	: 4.45	HYDROGEN PEROXIDE, 25vol. 400lb			Oxalate scales, 25 lb. cans.		
GLUE, pure white, bbls.			bbls.			Oxide red, Spanish		
Medium white, bbls.	.22	: .26	100 vol. 140 lb. drgs.			English		
French, bbls.	.20	: .24	USP Soln. 375 lb. bbls.			Perchloride, see Ferric Chloride		
High Grade, bbls.	.18	: .25	100 vol. 145 lb. drgs.			4 Ammon. Oxalate, 25 lb. bxs.		
Bone, regular, bbls.	.35	: .40	U.S.P. bot. 4 oz. cases			& Potassium Oxalate, 25 lb. bxs.		
Fish, bbls.	.10	: .12	Bot. 8 oz. cases			& Sodium Oxalate, 25 lb. bxs.		
	1.50	: 1.75	Bot. 16 oz. cases			Phosphate, USP, 50 lb.		
GLYCERIN, C.P., 550lb drums...	.19	: 19%	Hydroquinone, 100lb bags			Pyrophosphate, USP, 50 lb.		
Cans, 50 lb.	.20	: .22	Hyoscyamine USP 1 oz.			JALAP RESIN, lump, 5 lb. tins		
Dynamite, 100lb drs.			vial			Powd. time		
Supernatant, tanks	.13%	: 18%	Five oz., 1 oz. vials			Kapoo, 200 lb. double bals.		
Soap, Lye, tanks	.12	: 12%	Hyoscyamine Alk. Cryst. 1 oz. vials			KIESSELGEHR, 95 lbs bag NY...		
Go Powder, see charcoal			Alkaloid, Anisophr. 1 oz. vials			LANDOLIN, see Adeps Lanca		
Graphite, crude, 220 lb. bags...ton	15.00	: 35.00	Hydrobromide, USP, 1 oz. vials			Larch, 25%, 600 lb. bbls. w/w.		
Flake, 500 lb. bbls.	.05	: .09	Sulfate, 1 oz. vials			Lard, 100 lb. bags, w/w.		
Ground, lump, bbls.	.04	: .05	Hyperic, 51%, 600lb bbls.			LEAD, metal, c/NY		
Guaiacol Liquid, USP, 25 lb. cans	.25	: .35	Hyperic, chips			Acetate, white crystals, 500lb		
Benzene, 1lb bot.			Iodides, see Petam. Iodide, etc.			bbls. w/w.		
Carbonate, 5 lb. boxes			Indigo, Madras, bbls.			100 to 250 lb. bags, w/w.		
Second Hands			Indigo, 20% paste, drums			White, broken, bbls. w/w. 100lb		
HAARLEM OIL, Dom. 6 gr. ex. gross	2.75	: 2.80	IODINE, crude, 200 lb. bags			White, gran. bbls. w/w. 100lb		
Imported, 5 gr. cans	2.75	: 4.00	Resublimed, 10 lb. jars			White, powd. bbls. w/w. 100lb		
Halasone, 5 lb. bot.	2.75	: 3.35				Brown, broken, bbls. w/w.		

The banner is a horizontal decorative element. It features the year "1848" on the left and "1925" on the right, both in large, bold, serif capital letters. Between these years is a circular emblem with a torch inside, flanked by the letters "C & G" and the word "INC". The entire banner is set against a dark background with a textured, possibly wood-grain, pattern.

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Chemicals

LEAD ACETATE (Cont.)

USP, 100 lb bags	lb	.19	: .19%
Aspartate, 100 lb bags	lb	.15%	: .16%
Bbls, c/l w/w	lb		: .15
Bbls, c/l w/w	lb		: .16
Paste, 100 lb 600 lb bbls	lb	.09	: .11
Iodide, USP, VIII 5 lb bot.	lb	3.20	: 3.40
Nitrate, 500 lb bbls, w/w	lb		: .12
Oxide, Litharge, 500 lb bbls	lb		: .12%
100 lb bags, w/w	lb		: .17
Oxide, red, 500 lb bbls, w/w	lb		: .13
100 lb bags, w/w	lb		: .17%
Peroxide, 100 lb drs	lb	.35	: .30
White, basic carb. 500 lb bbls, w/w	lb		: .11%
Bbls, c/l w/w	lb		: .11%
Compound powder, bbls	lb	.11	: .13
Powdered	lb	.38	: .40
Sticks, 1 cu. 100 lb cans	lb	.45	: .50
LIME, (Salts, see Calcium Salts)			
Ground Stone, bags	ton		: 4.50
Live, Bulk	ton		: 8.50
Live, 325 lb bbls, ton lots, w/w	lb		: .01%
Single bbl, w/w	lb		: .01%
Hydrated, 167 lb bbl, ton lots, w/w	lb		: .01%
Single bbl, w/w	lb		: .01%
Gyster Shell, 150 lb bbl sing. lb	lb		: .03%
Sulfur, dry 200 lb drs, NY	lb		: .08%
Drs, c/l NY	lb		: .08
33° Soln, 50 gal bbls, NY	lb	.15	: .16
Linalool, 5 lb bot.	lb	6.35	: 6.75
Litharge, wet lead oxide			
Lithium Carb, USP, 100 lb bags	lb	1.50	: 1.60
Bromide, 100 lb ca.	lb	1.80	: 1.90
Chloride, USP, 100 lb bags	lb	1.70	: 1.75
Iodide, 5 lb bot.	lb		: 5.48
Lithopone, 400 lb bbls, 1c/l w/w	lb		: .06%
Bbls, c/l w/w	lb		: .06%
Bags, c/l w/w	lb		: .06%

LITHOPONE (Continued)

Imported, 400 lb bbs	lb	.06	: .06%
Lithium Cubes	lb	.90	: 1.00
Logwood, 51%, 600 lb bbls	lb	.08%	: .08%
Lower grade	lb	.07	: .08
Solid, 50 lb boxes	lb	.12%	: .16
LOGWOOD, sticks	ton	23.00	: 27.00
Chips, 150 lb bags	lb	.08	: .08%
Luminol, see Phenylethylaminolurea			
Madder, Dutch	ton	.28	: .30
MAGNESITE, crude	ton		: 15.00
Calcinied, 500 lb bbls	ton		: 48.00
Magnesium mtl, sticks 100 lb ca. b	lb	1.25	: 1.30
Carb. tech. 70 lb bags, NY	lb	.06%	: .07
75 lb bbls, NY	lb	.09	: .11
USP, 50 lb bbls	lb	.13	: .14
USP, blocks 100 lb ca. 1, 2, 4	lb		: .33
etc.	lb	.10	: .33
Chloride, fused 575 lb drs, c/l w/w	ton		: 34.00
Flaked, 350 lb drs, w/w c/l ton			: 36.00
Imp., fused 900 lb bbls, NY	ton	28.00	: 30.00
Phenolates, crystals 400 lb bbls, w/w	lb	.12	: .15
30% min. 500 lb bbls, w/w	lb	.07	: .07%
Soins, bbls, c/l w/w	lb		: .06
Glycophosphate, 5 lb tins	lb		: 3.35
Hypophosphate, 5 lb cans	lb		: 1.05
Oxide, USP, light, 100 lb bbls	lb		: .43
USP, heavy, 250 lb bbls	lb		: .50
Peroxide, 5 lb cans	lb		: 2.40
Perborate, 1 lb tins	lb		: 2.62
Salicylate, 100 lb bags	lb	.75	: .90
Manganese, see Epsom Salts			
Manganese, 30%, 200 lb bbls	lb		: .24
100 lb bags	lb		: .35
Chloride, 600 lb cans	lb	.06	: .06%
Dioxide, 50-84% 900 lb bbls	ton	50.00	: 55.00
NY	ton	55.00	: 60.00
85-90%, 900 lb bbls, NY	ton	50.00	: 55.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb bags	lb	.15	: .20
Glycophosphate, 5 lb tins	lb		: 2.95
Hypophosphate, USP VIII 5 lb cans	lb		: 1.40
Iodide, 1 lb bot.	lb		: 6.65
Ore, bulk, NY	lb	.43	: .44
Sulfate, 600 lb cans, NY	lb	.07	: .07%
Mangrove, 55% 400 lb bbls	lb	.04%	: .05
Mangrove bark, African	ton		: 30.00
Shipment	ton		: 42.00
Marble Flour, bulk	ton	10.00	: 12.00
See also Calcium Carbonate			
MENTHOL, USP, 50 lb cans	lb		: 11.75
Less case, 5 lb tins	lb		: 12.35
MERCURY, metal, 75 lb flasks	flask	82.50	: 83.00
Mer Flasks, 5 lb jugs	lb		: 1.20
Bichloride, cryst. 25 lb hrs.	lb		: 1.20
Gran. powd., 200 lb bags	lb		: 1.10
Bisulfate, 25 lb boxes	lb		: 1.08
Blue Mass, 25 lb boxes	lb		: .71
Powdered, 25 lb boxes	lb		: .73
Mica Stickment, USP, 35 lb cans	lb		: .94
50%	lb		: .71
USP, dilute 25 lb cans 30% b	lb		: .80
33½% Mercury	lb		: .80
Calomel, 50 lb hrs	lb		: 1.37
Citrine Ointment, 25 lb jars	lb		: .51
Iodide, green 25 lb jars	lb		: 4.20
Red, USP, 25 lb jars	lb		: 4.30
Yellow, USP, VIII 25 lb jars	lb		: 4.20
Oxide, Yellow, USP, 25 lb hrs	lb		: 1.78
Red Precip, USP, 25 lb hrs	lb		: 1.48
Powder, USP, 25 lb hrs	lb		: 1.68
White Precip, USP, 25 lb hrs	lb		: 1.49
Powdered, USP, 25 lb hrs	lb		: 1.54
With chalk, USP, 25 lb hrs	lb		: .71
Mets-Nitranline	lb	.70	: .80
Meta-Nito-para-Toluamine, 300 lb bbls	lb	2.05	: 2.10

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META-Phenylendiamine, 300 lb			MORPHINE (Cont.)	
bbls.	lb	.90	: .95	Acetate, 5 oz. tins 10 oz. lots, etc. : 7.85
Meta-Toluylendiamine, 300 lb				Hydrobromide, 5 oz. tins 10 oz. lots : 7.35
bbls.	lb	.80	: .84	Hydchloride, 5 oz. tins 10 oz. lots : 7.35
METHANOL (Wood Alcohol)				Ethyl Hydchloride, ½ oz. vials 10 oz. : 9.35
95% tanks	gal	...	: .65	Small Sizes: ¼ oz. vials, 50c extra; ½ oz 25¢ extra; single oz. vials, 7¢ extra, over price for 5 oz. tins. 25 oz. lots in 5 oz. tins, 10¢ or lower than above schedule. Less than 10 oz. lots 15¢ or higher than above schedule.
Drums, c/l	gal	...	: .68	Musk Ambrette, 1 lb cans lb 10.50 : 11.75
Drums, 1c/l	gal	...	: .70	Myrobalans, 25% liquid bbls. lb .04½
97% tanks	gal	...	: .67	50% solid, 50lb boxes lb .08½
Drums, c/l	gal	...	: .70	Imported lb .06½
Drums, 1c/l	gal	...	: .72	Myrobalans, bags J1 ton 70.00 : 75.00
Pure, Acetone free, tins	gal	...	: .75	R2 ton 50.00 : 52.00
Drums, c/l	gal	...	: .77	J2 ton 60.00 : 61.00
Drums, 1c/l	gal	...	: .80	NAPHTHA, See Solvent Naphtha
Bbls. incl. 5¢ higher				NAPHTHALENE, Flake, 175 lb bbls. lb .06½ : .06½
Methyl Acetate, 100 gal. drums, gal	lb	.75	: .80	Bbls., c/l lb .05 : .05½
Tanks, cars	gal	.70	: .75	Bbls., second hands, NY, lb .05 : .05½
Chloride, 90 lb cyl.	gal	.50	: .55	Balls, 250 lb bbls. lb .06½ : .07
Salicylate, USP, 50lb cans	lb	...	: .47	Bbls., c/l vials, lb .06 : .06½
500 lb drums	....	...	: .45	Bbls., second hands, NY, lb .06½ : .07
Second Hands, cans	lb	.44	: .45	Ortho-Nitrobenzene, 50 lb kegs lb .24 : .25
Methylene Blue, tech. 100 lb kgs, lb	lb	1.25	: 1.50	Ortho-Aminobenzene, 100 lb drs. lb ... : 3.00
USP, medicinal 5 lb cans	lb	2.00	: 2.30	Ortho-Dichlorobenzene, 100 lb drs. lb .05½ : .06
Michler's Ketone, 225 lb bbls.	lb	...	: 3.75	Ortho-Nitrochlorobenzene, 1200 lb drs. whiz. lb ... : .37
Milk, powd. 150 lb bbls.	lb	.14	: .15	Ortho-Nitropophenol, 350 lb drs. lb ... : 1.00
Milk Sugar, see sugar of milk				Ortho-Nitrotoluene, 1900 lb drs. whiz. lb .20 : nom.
Mineral Oil, see oil mineral				Ortho-Toluidine, 350 lb bbls. lb .25 : nom.
Mineral Rubber	ton	25.00	: 75.00	Orange Orange, 51° liquid lb .08½ : .07
Monostearine, 50 gal. drums	lb	.46	: .50	Purified, 100 lb bags lb .13½ : .14
Monochlorobenzene, see chlorobenzene				Crystals lb .16 : .17
Monooxydiphenyl, 900 lb drs.	lb	.90	: 1.00	Oxgall, USP, 5 lb bot. lb .17½ : 2.50
Monsomethyl para-phenol sulfate,				Purified, 5 lb bot. lb .20 : 2.50
100 lb drs.	lb	3.95	: 4.30	Crude, 5 lb bot. lb .10 : 1.25
MORPHINE Sulfate USP 5 oz. tins				FALLADIUM, metal 10 oz. lots lb 30.00 : \$1.00
10 oz.	oz.	...	: 7.35	Pancreatin, USP, 5 lb bot. lb 2.50 : 2.75
				Papain, 10 lb bot. USP, Powd. lb 2.15 : 2.25
				Crude, 150 lb cases lb 1.80 : 1.85
				Paraffin, ref'd 200 lb cr. stabs 123-127 Deg. M. P. lb .06½ : .06%

**R. W. GREEFF & CO.
INCORPORATED**

78 Front Street **New York, N. Y.**

We offer as exclusive distributors

Oxalic Acid

and

Formic Acid

Manufactured by

FABRIEK van CHEMISCHE PRODUCTEN
Schiedam, Holland

Acetone Oils (Standard Grades)

(Volume Sixty)

Methyl Ethyl Ketone

Manufactured by
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NORWICH CHEMICAL MFG. CO.
F. Smithport, Pa.

E. Shadforth, F.R.

The problem of removing impurities and the decolorization of alkaloids and pharmaceuticals while in solution is easily solved through the application of

NUCHAR

which has a strong affinity for absorbing impurities without chemical reaction.

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of NUCHAR to your products

INDUSTRIAL CHEMICAL COMPANY
MANUFACTURERS

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**200 FIFTH AVENUE
NEW YORK**

Chemicals

PARAFFIN (Cont.)

128-152 Deg. M. P.	lb.	.07½ : .07¾
133-157 Deg. M. P.	lb.	.08 : .08½
138-140 Deg. M. P.	lb.	.08½ : .09
Para-Aminoacetanilid, 100 lb. kgs.	lb.	1.10 : 1.15
Para-Aminophenol, 100 lb. kgs.	lb.	1.18 : 1.25
Hydrochloride, 100 lb. kgs.	lb.	1.35 : 1.40
Para-Dichlorobenzene, 150 lb. bbls. wts.	lb.	.17 : .20
25-50 lb. kgs.	lb.	.18 : .23
Paraldehyde, USP, 100 gal. drs. gal.	gal.	... : .48
Tech.	lb.	... : .30
Para-Cymene, Refd., 110 gal. drs. gal.	lb.	2.25 : 2.50
Paraformaldehyde, USP, 100 lb. es. bbls.	lb.	.42½ : .45
Para-Nitroacetanilid, 300 lb. bbls.	lb.	.50 : .55
PARA-NITROANILINE, 300 lb. bbls. wts. ton	lb.	.60 : .62
Para-Nitrochlorobenzene, 1200 lb. drs. wts.	lb.	.20 : .22
Para-Nitro-ortho-Toluuidine, 300 lb. bbls.	lb.	2.75 : 2.85
Para-Nitrophenol, 185½ lb. bbls.	lb.	.55 : .58
Para-Nitroquinidimethylaniline, 120 lb. bbls.	lb.	.85 : 1.00
Para-Nitrotoluene, 350 lb. bbls.	lb.	.38 : .40
Para-oxo-Benzoaldehyde, 100 lb. kgs.	lb.	... : 1.70
Para-Phenetidin, 500 lb. drs.	lb.	1.55 : 1.80
Para-Phenylenediamine, 350 lb. bbls.	lb.	1.25 : 1.80
Para-Toluene-Sulfonamide, 175 lb. bbls.	lb.	.40 : .41
Para-Toluene-Sulfonchloride, 410 lb. bbls. wts.	lb.	.18 : .20
Para-Toluuidine, 350 lb. bbls. wts.	lb.	.68 : .72
PARIS GREEN		
Aromatic Basls, 500 lb. kgs.	lb.	.21 : .22
Keg, 100 lb. s.	lb.	.23 : .24
Kits, 56, 28, 14 lb. s.	lb.	.24 : .25

PARIS GREEN (Cont.)

Packages, 5 and 2 lbs.	lb.	.25 : .26
Packages, 1 lb., ½ lb., ¼ lb.	lb.	.27 : .31
Paris White, see whiting, French		
Pepsin, USP, 5 lb. bot. 1:3000.	lb.	2.25 : 2.50
1-6,000 bottles	lb.	4.00 : 4.25
1-10,000 bottles	lb.	6.65 : 7.25
Peptone, powd., 5 lb.	lb.	1.70 : 1.80
Persian Berries	lb.	.37 : .39
PETROLUMEN, green 300 lb. bbls.	lb.	.02½ : .03
Dark Amber, 300 lb. bbls.	lb.	.03½ : .04
Light Amber, 300 lb. bbls.	lb.	.04½ : .05
Cream White, USP, 300 lb. bbls.	lb.	.07 : .07½
Snow White, USP, 300 lb. bbls.	lb.	.12½ : .13
Lily White, USP, 300 lb. bbls.	lb.	.09 : .09½
Phenol, see also acid carbolic		
Makers, 950 lb. drums, spot.	lb.	.23 : .24
Small drums, 240-100 lb.	lb.	.24 : .26
Open market, drums	lb.	... : .24
240 lb. des. drs. wts.	lb.	... : .25
Natural, 240 lb. des. drs. wts.	lb.	... : ...
Phenolphthalein, USP, 100 lb. drs. wts.	lb.	1.30 : 1.40
5 lb. cans, 100 lb. lots.	lb.	1.40 : 1.50
Phenyl-Alpha-Naphthylamine, 100 lb. kgs.	lb.	1.23 : 1.29
Phenylethyl alcohol, 1 lb. bot. Dom. B.	lb.	8.00 : 10.00
Imported	lb.	7.00 : 7.75
Phenylethylmalonylurea, ox. phs. os	lb.	... : 5.50
Phosgene, 100 lb. cylinders	lb.	... : ...
Phosphate Acid, 16% Bulk. wts. ton	ton	9.50 : 10.50
Phosphate Rock, f.o.b. mines		
Florida Pebble, 68%	ton	2.40 : 2.50
Florida Pebble, 70%	ton	2.75 : 2.85
Florida Pebble, 75-74%	ton	... : 4.00
Tennessee, 72%	ton	... : 5.50
Phosphorus Oxychloride, 175 lb. cyl. lb.	lb.	.35 : .40
Phosphorus, red 110 lb. cs. wks. lb.	lb.	1.00 : 1.10
Imported, 112 lb. cases	lb.	.68 : .70
Yellow, 110 lb. cs. wks. lb.	lb.	.37½ : .40
Imported, 112 lb. cases	lb.	... : ...
Phosphorus Trichloride, 175 lb. cyl. wks.	lb.	... : .45

Phthalic Anhydride, 100 lb. bbls wks.	lb.	.18 : .20
PILOCARPINE HYDCHLIDE, USP 25 cm. lots, 1 oz. vials.	oz.	4.00 : 4.50
Single, oz.	oz.	... : 4.00
Alkaloid, 15 gr. vials.	oz.	... : .85
Finn Oil, strn. dist. bbls.	gal.	... : .68
Destructive dist.	lb.	.83 : .84
Piperazine Hydrate, 1 lb. bot.	lb.	... : 16.00
Piperidine, 25 cm.	oz.	1.10 : 1.25
Pitch, Coal-Tar, wks.	ton	24.00 : 26.00
Pitch, prime	bbl.	5.50 : 6.00
Plaster Paris, tech. 250 lb. bbls.	bbl.	... : 3.30
True Dental, 300 lb. bbls.	bbl.	... : 4.50
Platinum, metal soft 10 cm. lots.	oz.	119.00
Podophyllin, 5 lb. bot.	lb.	4.75 : 5.00
Second Hands	lb.	4.30 : 4.40
POTASH SALTS , rough		
Pot. Muriate, basis, 80% bgs. ton	ton	... : 34.55
Pot. Sulfate, basis, 90% bgs. ton	ton	... : 45.85
Dble. Manure Salts, basis 48% bgs.	ton	... : 26.35
Manure Salts, basis, 30% bulk. ton	ton	... : 17.03
Manure Salts, basis, 20% bulk. ton	ton	... : 10.55
Kainit, basis, 12.4% bulk. ton	ton	... : 7.75
Bulk in bags, 32.00 extra.		
Prices c.i.f. Atlantic & Gulf Ports.		
Discounts, 50 tons, 5%; 500 tons, 10%.		
POTASH, CAUSTIC , solid 88-92%		
700 lb. drs. wks.	lb.	.07½ : .07¾
Imp., 88-92% 700 lb. drs. NY. B.	lb.	.07½ : .07¾
URE, by alcohol 5 lb. cans.	lb.	.45 : .48
cases	lb.	.30 : .35
POTASSIUM ACETATE , USP, 100 lb. kgs.	lb.	... : ...
Second Hands, kgs.	lb.	.29 : .30
Bicarbonate, crys. 320 lb. bbls.	lb.	.28 : .28
Bichromate, crys. 300 lb. cans.	lb.	.09½ : .10½
Powd. 900 lb. cans, wks. lb.	lb.	.08½ : .08½
Binonolite, 300 lb. bbls.	lb.	.11 : .12
Import, 112 lb. bbls.	lb.	.19 : .20
	lb.	.18 : .19

SELDEN Brand 99.99% Pure PHTHALIC ANHYDRIDE

Highest quality obtainable.

Guaranteed uniform purity.

Long needle crystals.

Packed in paper lined, wooden barrels.

Prices on application.

THE SELDEN COMPANY
Pittsburgh, Pa., U.S.A.

Chemicals

POTASSIUM (Cont.)		POTASSIUM (Cont.)		QUININE SULFATE, U.S.P.	
Bisulfate, C.P., 5lb cans...B	... : .88	Muriate, 50%, 200lb bags, NY	K ₂ O unit	Java, 100 oz. tins	... : .50
100lb kegs.....B	... : .22	Nitrate, see Saltpetre		Japanese, 100 oz. tins	... : .50
Bromate, 100lb cans...B	.85 : .95	Oxalate, neutral 100lb bags...B	.19 : .20	Acetate	... : .88
BROMIDE, U.S.P., cryst., 450lb bbls.....B	.48 : .48	Perchlorate, 112lb bags, Me.-Apr. B	.13 : .13	Arsenite	... : .88
Granular, 200lb bbls...B	.48 : .49			Bromate	... : .88
Cases, 100lb ...B	... : .50	Permangan, U.S.P., crys., 500lb & 100lb drs., vials...B	.15 : .16	Bisulfate, U.S.P.	... : .50
Imported, U.S.P., 220lb cans...B	.38 : .38	Imp., 112lb drs., vials...B	.14% : .15%	Citrate	... : .63
CARBONATE, 80-85% calc.		Prussiate, red, 500lb cans...B	.36% : .37	Dihydrochloride, U.S.P.	... : .64
800lb cans...B	... : .98	Prussiate, yellow, 500lb cans...B	.18 : .18%	Dihydrobromide	... : .64
80-85% hydrated, 800lb cans...B	.05% : .06	Salicylate, 25lb cans...B	.60 : .65	Dicarbonate, 10 oz. tins	... : 1.50
80-85% calc. cases...B	.06 : .06%	Sulfate, VIII, 200lb bags, NY, K ₂ O unit	... : .85	Ethyl Carbamate, 16 oz. tins	... : .91
90-98% calc. cases...B	.06% : .06%	U.S.P., VIII, 100lb kegs	... : .15	Ferrocyanide	... : .88
99% calc. cases...B	... : .07%	Glycocyandine, C.P. 25lb jars...B	... : .50	Formaldehyde	... : .85
U.S.P., 100lb kegs...B	.10% : .11	Tartate, neutral, 160lb bags...B	... : .51	Glycerophosphate	... : .88
99% C.P., cases...B	... : .12%	Titanium Oxalate, 200lb bbls...B	.25 : .27	Hydrobromide	... : .88
Chlorate, crys., 112lb bags, c/l vials...B	.08% : .09	Prussian blue...B	.45 : .50	Hydrochloride, U.S.P.	... : .88
Imp. 112lb bags, NY...B	.08 : .08	Pumice Stone, Lump, 250lb bbls...B	.04% : .06	Hydrochloride, U.S.P.	... : .88
Powd., 112lb kegs, vials...B	.08% : .09	Powdered, 350lb bbls...B	.03% : .03	Hydrochlorofat	... : .88
Imp. kegs, NY...B	.08 : .08	Pyridine, 50 gal. drum...gal	4.05 : 4.10	Hydralide & Urea, U.S.P.	... : .88
Gran. Imp. 112lb bags, NY...B	.10% : .11	Quinchloro Bark	... : 120.00	Hypophosphite	... : .88
Pyrotechnic, fine powd. NY...B	... : .07	QUEBRACHO, 35% liquid tins...B	.08 : .08%	Lactate	... : .78
U.S.P., fine crys. 110lb bags NY...B	... : .14 : .15	450lb bbls...B	.03% : .04	Phenolsulfonate	... : .88
Chloride, crys., bbls...B	.04% : .04%	35% bleaching, 450lb bbls...B	.04% : .05%	Phosphate	... : .74
Chlorate, U.S.P., 50lb cans...B	... : .06	Solid 65%, 100lb bales...B	... : .05	Sulfocyanate, U.S.P.	... : .88
Cyanide, 110lb cans...B	.58 : .60	Clarified, baled...B	... : .05	Tannate, U.S.P.	... : .45
Glycerophosphate, 75% Soln. 25lb tins...B	1.35 : 1.50	Quedeltron, 51° 450lb bbls...B	.06% : .07	Tartrate	... : .88
Guaiacol Sulfonate, 5lb cans		Powdered, 100lb boxes...B	.10% : .13	Valerate	... : .89
10lb...B	2.00 : 2.25	Querection bark, rough...ton	... : 14.00		
Hypophosphite, 10lb cans...B	.80 : .88	Ground	ton 34.00 : 35.00		
Iodide, U.S.P., 100lb cases...B	3.45 : 3.50	QUICKSILVER, see Mercur			
Lactophosphate, 4 oz. bot...B	... : .90	Quinidine Alk., 100 oz. tins...B	... : .75		
Metabisulfite, 300lb bbls...B	.18 : .20	Sulfate, 100 oz. tins...B	... : .50		
Imp., 550lb bbls...B	.09 : .10	Quinidine, see Chiniodine			
		QUININE SULFATE, U.S.P.			
		American, 100 oz. tins...B	... : .50		
		1000 lbs, 1000 lbs lots...B	... : .57		
		French 1000 oz. tins...B	... : .50		

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of
ALCOHOL
*PURE and DENATURED***

from Molasses, the by-product of our Raw Sugar Estates in Cuba and the Sugar Refinery in Philadelphia.

— RAW SUGAR ESTATES —

Antilla

Baragua	San Agustin
Caracas	Soledad
Ermita	Trinidad
Florida	Hormiguero
Punta Alegre	Senado

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DYES**

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fast to light—

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distinctive for fastness

Samples free upon request

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JOHN CAMPBELL & COMPANY

American Dyestuff Manufacturers

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Over 50 years Experience and Reputation

JAS. MILLER SON & Co., Ltd.
Glasgow

***as Producers and Suppliers of
Coal Tar Products***

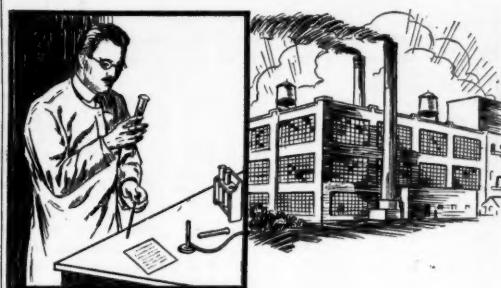
CRESYLIC ACID 97/99%
HIGH BOILING ACIDS
PYRIDINE

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Chemical Control Removed the Handicaps from Bleaching



"Rule of thumb" methods have no place in modern bleacheries; scientific knowledge has replaced them with progressive processes and chemicals.

Liquid Chlorine has come into its own under this new regime of exact knowledge. Its advantages have proved up, and it is the accepted base for bleach solutions that improve the quality of fabrics and add to production turn-over.

Liquid Chlorine solutions are standard strength and give 100% standard strength and give 100% bleaching efficiency. Ease of control, clean working conditions, and lessened freight charges are added advantages.

**E B G
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means adequate production facilities, ample container equipment, and, without expense to you, the services of an experienced engineering staff which will advise, or indeed direct, the changes in any installation from existing methods to Liquid Chlorine.

For the convenience of our customers in addition to our plant and warehouse at Niagara Falls, we carry stocks at Providence; Long Island City; Charlotte, N. C.; Dallas, Tex.; Chicago and Denver.

*Send for your copy of
"Liquid Chlorine in Tex-
tile Bleaching."*

Affiliated with Niagara Alkali Company



Electro Bleaching Gas Co.

Plant: NIAGARA FALLS, N.Y.

[APRIL 1, 1925]

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans...B	...	: .88
100lb bags.....B	...	: .92
Bromate, 100lb cans.....B	.85	: .95
BROMIDE, U.S.P. crypt., 450lb bbls.		
Granular, 300lb bbls....B	.48	: .49
Cakes, 100lb .....B	...	: .56
Imported, U.S.P., 220lb cans...B	.38	: .38
CARBONATE, 80-85% calc.		
800lb cans.....B	...	: .88
80-85%, hydrated, 800lb cans...B	.05%	: .06
80-95% calc. cans.....B	.06	: .06%
90-95% calc. cans.....B	.06%	: .06%
95% calc. cans.....B	...	: .07%
U.S.P., 100lb bags.....B	10%	: .11
90% C.P., cans.....B	...	: .12%
Chlorate, crys., 112lb bags, q.s.t.		
Imp. 112lb bags.....B	.08%	: .09
Fewd., 112lb bags, wks.....B	.08%	: .09
Imp. bags, NY.....B	...	: nom.
Gran. Imp. 112lb bags, NY.....B	10%	: .11
Pyrotechnic, fine powd. NY.....B	...	: .07
U.S.P., fine crys., 110lb bags, NY.....B	14	: .15
Chloride, crys., bbls.....B	.04%	: .04%
Citrate, U.S.P., 50lb .....B	...	: .00
Cyanide, 110lb cans.....B	.58	: .60
Glycero-phosphate, 75% Soln, 25lb tins.....B	1.35	: 1.50

POTASSIUM (Cont.)

Muriate, 80%, 200lb bags, NY	K ₂ O unit	...	: .63
Nitrate, see Saltpetre			
Oxalate, neutral, 100lb bags...B	.19	: .20	
Perchlorate, 112lb bags, Mc-Art. B	.12	: .13	
PERMANGAN, U.S.P., crys., 500lb			
4 100lb drs., vials...B	.15	: .16	
Imp., 112lb drs., vials...B	.14%	: .15%	
Prussiate, red, 500lb cans...B	.36%	: .37	
Prussiate, yellow, 500lb cans...B	.18	: .18%	
Saliocylate, 25lb cans...B	.00	: .65	
Sulfate, 200lb bags, NY, K ₂ O unit	...	: .85	
U.S.P., VIII, 100lb bags...B	...	: .15	
Sulfocyanide, CP, 25lb jars...B	...	: .50	
Tartate, neutral, 160lb bags, B	...	: .51	
Titanium Oxalate, 200lb bbls, B	.25	: .27	
Prussian blue, 500lb bbls...B	.45	: .50	
Pumice Stone, lump, 250lb bbls...B	.04%	: .06	
Lump, bags.....B	.03%	: .05	
Powdered, 350lb bbls...B	.02%	: .03	
Pyridine, 50 gal drum.....gal	4.05	: 4.10	
Querbrachio Bark.....ton	...	: 120.00	
QUEBRACHO, 35% Liquid tds...B	.08	: .08%	
450lb bbls.....B	.03%	: .04	
35% bleaching, 450lb bbls...B	.04%	: .05%	
Solid 65%, 100lb boxes...B	...	: .05	
Clarified, bales.....B	...	: .05	
Quadeiron, 51° 450lb bbls...B	.06%	: .07	
Powdered, 100lb boxes...B	.10%	: .13	
Quercetin bark, rough.....ton	...	: 14.00	
Ground.....ton	34.00	: 35.00	
QUICKSILVER, see Mercury			
Quinidine Alk., 100 oz. tins...B	...	: .75	
Sulfate, 100 oz. tins...B	...	: .50	
Ominoline, see Chinonidin			
QUININE SULFATE, U.S.P.			
American, 100 oz. tins...B	...	: .50	
1oz. tins, 100m lots...B	...	: .57	
Dutch, 100oz tins...B	...	: .50	

QUININE SULFATE, U.S.P.

Java, 100 oz. tins...B	...	: .50
Japanese, 100 oz. tins...B	...	: .50
Acetate.....B	...	: .88
Anemone.....B	...	: .88
Bromate.....B	...	: .88
Bismuth, USP.....B	...	: .80
Chlorate.....B	...	: .82
Dihydrotartrate, USP.....B	...	: .84
Dihydrobromide.....B	...	: .84
Dicarbamate, 10 oz. tins...B	...	: .90
Ethyl Carbonate, 16 oz. tins...B	...	: .91
Ferrocyanide.....B	...	: .85
Fernate.....B	...	: .85
Glycoephosphat.....B	...	: .88
Hydrochloride.....B	...	: .88
Hydrobromide, USP.....B	...	: .82
Hydrochloride, USP.....B	...	: .83
Hydrochloromaleate.....B	...	: .84
Hydrichl. & Urea, USP.....B	...	: .88
Hypophosphite.....B	...	: .88
Lactate.....B	...	: .78
Phenylsulfonate.....B	...	: .88
Phosphate.....B	...	: .74
Saliocylate, USP.....B	...	: .83
Tannate, USP.....B	...	: .45
Tartate.....B	...	: .88
Valerate.....B	...	: .80
Small Sizes: 1oz vials or cans, 50wt. lots, 5c extra; 50z cans, 500z lots, 2c extra; 250z cans, 5000z lots, 2c extra; single 1oz vials or cans, 5c extra. All minor quinine salts sold and quoted 100m lots in 100m cans. Sulfate and bisulfate sold bds 100m lots in 100 oz cans. Smaller orders or containers extra as above schedule.		

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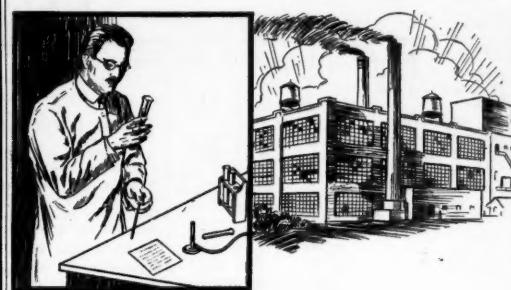
HYDROSULFITE

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Over 50 years Experience and Reputation

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*as Producers and Suppliers of
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CRESYLIC ACID 97/99%
HIGH BOILING ACIDS
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Joseph Turner & Co., N.Y. Sales Agents for CALIFORNIA SODA and BLEACH



Electro Bleaching Gas Co.
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Plant: NIAGARA FALLS, N.Y.
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Chemicals

R SALT, 250 lb bbls., wks....	lb .45	: .47
Red Lead, see lead oxide		
Red Precipitate, see mercury		
Bennet, N.F., 5 lbs. (1:25,000) lb 2.95	:	3.50
Resorcinol, see resorcinol		
Resorcinol tech., 100 lb bags....	lb 1.85	: 1.50
USP, 25 lb cans.....	lb 2.35	: 2.35
Rocksalt, Sulfur, 225 lb bbls....	lb .19	: .19 1/2
Imp., USP, 300 lb bbls....	lb .20	: .20 1/2
Rosinwater, triple, 5 gal. demis. gal .90	:	1.10
Rubber, (Gold in 600 lb bbls., green for net,		
E 280 lb ... 8.00		
D 280 lb ... 8.10		
B 280 lb ... 8.25		
F 280 lb ... 8.30		
G 280 lb ... 8.35		
H 280 lb ... 8.35		
I 280 lb ... 8.35		
K 280 lb ... 8.80		
M 280 lb ... 9.20		
N 280 lb ... 9.50		
WG 280 lb ... 9.55		
WW 280 lb ... 10.55		
(Gold in 600 lb bbls., green for net,		
quotations based on a unit of 280 lb.)		
Rosin Oil, first run, 500 gal. bbls. gal .51	:	.52
Second run, bbls.	lb .53	: .54
Lotion Stone, lump imp., bbls....	lb .07	: .08
Lump selected, bbls....	lb .09	: .13
Powdered, bbls....	lb .02	: .05
Domestic, bags, minns....	ton 24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb		
Soluble, USP, 10 lb cans, 25 lb. lb 1.75	:	1.85
Sago Flour, 150 lb bags....	lb 1.75	: 1.85
Sal Ammoniac, see Ammonium Chloride		
Salicin, USP, 1 lb cartons, 25 lb. & 4.75	:	5.00
Salol, USP, 100 lb drums....	lb .75	: .88
Salt Common, see sodium chloride		
Salt Cake, c/l f.o.b. wks....	ton 18.00	: 22.00
SALT/PETRE, Double Defined		
Granular, 400-500 lb bbls.		
e/l wks....	lb ...	: .08

SALT/PETRE (Cont.)		
Low c/l wks., bbls....	lb	: .06 1/4
Large Crystals, 350-400 lb bbls.,		
e/l wks	lb	: .07 1/2
Small Crystals, 350-400 lb bbls.,		
e/l wks	lb	: .07
Powdered, bbls. e/l wks....	lb	: .07 1/4
Imported, 500 lb bbls. NY....	lb	: .06 1/4 : .06 1/2
Santonin, USP, 1 lb bot....	lb	: 155.00
Powd. 1 lb bot....	lb	: 158.00
Saponin, ex Quillaja, 5 lb tins. lb	.90	: 1.00
Satin White, 500 lb bbls....	lb	: .01 1/2
Sedilite Mixture, 225 lb bbls.wks. lb	.60	: .85
SILICA		
Crude, bulk, mines	ton 6.00	: 7.00
Refined, floated, bags	ton 18.00	: 30.00
Air floated, bags	ton 32.00	: 50.00
Exira, floated, bags	ton 55.00	: 65.00
Colloidal, 16 oz. bot....	oz ...	: 2.80
SILVER, metal, American	oz ...	: .67 1/2
Silver Iodide, 16 oz. bot....	oz ...	: .69
Nitrate, 16 oz. bot....	oz ...	: .63 1/2 : .48 1/2
Nicotinate, 16 oz. bot....	oz ...	: .34 : .38
Protocinata, 16 oz. bot....	oz ...	: .34 : .38
Soap, Castile, 40 lb. bxs....	lb .20	: .28
Powd. USP, 250 lb bbls....	lb .28	: .30
Green, USP, 150 lb bags....	lb .07	: .07 1/2
Saponine, see Talc, crude		
SODA ASH, 55% light		
1-4 bags, deliv'd NY....	100 lb	: 2.19
5 & Up bags, deliv'd NY....	100 lb	: 2.04
1-4 bbls., deliv'd NY....	100 lb	: 2.44
5 & Up bbls., deliv'd NY....	100 lb	: 2.29
Contract, Basis 55% bags e/l		
wks.	100 lb	: 1.88
Prompt and spot, Basis 55% bags		
e/l wks.	100 lb	: 1.43
Contract, Basis 55% dense bags		

SODA ASH (Cont.)		
e/l wks.	100 lb	: 1.45
Pmpt. and spot, Basis 55% bags		
e/l wks.	100 lb	: 1.50
SODA, CAUSTIC, 76% solid		
1-4 drums deliv'd NY....	100 lb	: 3.91
5 & Up drums deliv'd NY....	100 lb	: 3.76
Ground & Flake, 76%		
1-4 drum, deliv'd NY....	100 lb	: 4.31
5 & Up drx. deliv'd NY....	100 lb	: 4.16
1-4 bbls. deliv'd	100 lb	: 4.56
5 & Up bbls. deliv'd....	100 lb	: 4.41
Contract basis 76% e/l wks.		
100 lb		: 3.10
Pmpt. and spot, Basis 76%		
e/l wks.	100 lb	: 3.20
Contract 74% low grade e/l		
wks. flat	100 lb	: 3.02
Ground & flake, 75% pmpt. and		
spot, wks. e/l drx....	100 lb	: 3.60
Contract 76% drums e/l wks.		
flat	100 lb	: 3.50
100 lb		: 31
Pure, stick, by alcohol....	lb .25	: .37
SODIUM ACETATE, cry. 450 lb bbls.		
wks.	lb	: .05 1/2 : .06
Aluminate, 500 lb bbls., wks....	lb	: .07 1/2 : .08
Aluminum Sulfate, see alum soda		
Asenate, 4 lb mat. wks....	gal .50	: .60
Drums, 8 lb material, wks....	gal 1.00	: 1.20
Benzozate, USP, 100 lb bbls....	lb .59	: .82
Rosines	lb .59	: .60
Bicarbonate, 400 lb bbls., NY....	lb	: 2.25
Bols. e/l wks.	100 lb	: 2.00
112 lb bags, wks.	lb	: 2.25
112 lb bags, NY	lb	: 2.50
Chromate, 600 lb cans wks....	lb .06 1/2	: .07
Cassis, e/l NY	lb .06 1/2	: .07
Cassis, NY	lb .06 1/2	: .08 1/2
Bisulfite, dry powder, 500 lb		
bbls., wks.	lb .04	: .04 1/2

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Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



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Chemicals

SODIUM—(Continued)

BROMIDE, U.S.P., 450 lb. bbls...D	.48	: .49
Cheas, 50 lb.D	.48	: .49
Imp. U.S.P., 112 lb. ....D	.39	: .41
Bromate, 100 lb. ....D	...	: 1.15
Cacodylate, U.S.P., 25 lb.	D	...
5 lb. bot. ....D	5.00	: 6.00
Carbonate, sal soda, 350 lb. bbls.		
16/1 NY .....100 lb	1.30	: 1.35
Works c/l .....100 lb	1.10	: 1.20
Monochloride, 400 lb. bbls.		
16/1 NY .....100 lb	...	: 2.40
Pure photographic 100 lb.		
kg. ....D	.06	: .08
Chlorate, 112 lb. kegs, whs....D	.06%	: .06%
Imported, 112 lb. kegs ....D	.06%	: .06%
Chlorite, tech. ....ton 12.00	...	: 13.00
C. P., 300 lb. bbls....D	.06	: .06
Chromate, 300 lb. bbls....D	...	: .06
Chitate, U.S.P., 50 lb. kegs....D	...	: .59
U.S.P., VIII, 50 lb. kegs....D	...	: .52
Cyanide, 98-99%, 100 lb. cases		
whs....D	...	: .22
Ton lots, whs....D	...	: .22
73-76%, 100 lb. cases, whs....D	...	: 19%
125-132%, 200 lb. cs....D	.20	: .26%
120-125%, 200 lb. cs....D	.17	: .18
118-120%, 200 lb. cs....D	.16	: .17
Fluorite, 300 lb. bbls, whs....D	.09	: .09%
Imp. 300 lb. bbls....D	.08%	: .09
Glycophosphate, U.S.P., cryst., 25 lb.		
cas....D	1.40	: 1.50
Powder, 25 lb. tins....D	1.45	: 1.60
Sol. sion, U.S.P., 25 lb. tins....D	1.05	: 1.15
Hydroxide, see Soda Caustic		
Hypochlorite, Soln., 100 lb. ctys....D	...	: .05
14 1/2% soln., 50 lb. ctys....D	...	: .04
Hydroxide, 200 lb. bbls, whs....D	.23	: .24
For Stripping, 50 lb. cans....D	.35	: .40
Hypophosphate, U.S.P., 25 lb. cans		
D	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pes. crys.		
375 lb. bbls, whs..100 lb. ....D	2.65	: 3.05
Bbls, c/l whs....100 lb. ....D	...	: 2.50
100 lb. bags, whs....D	2.75	: 3.30
Imp. ....D	2.90	: 3.00
Regular crys., bbls. whs..100 lb. ....D	2.40	: 2.65
Bbls, c/l whs....100 lb. ....D	2.40	: 2.50
Kegs, whs....100 lb. ....D	3.00	: 3.10
Imp. ....D	3.00	: 3.35
Iodide, U.S.P., 25 lb. jars....D	4.25	: 4.80
Metal-late, 150 lb. bbls....D	.55	: .70
Naphthionate, 300 lb. bbls....D	.57	: .60
Nitrate, crude, 95% 200 lb. bags		
c/l NY ....D	...	: 2.67
Future, NY .....100 lb. ....D	2.67	: 2.70
Double Redined 400 lb. bbls		
gran. c/l whs....D	...	: .04%
Powdered, bbls. c/l whs....D	...	: .05%
Nitrite, 500 lb. bbls, spot makers		
Imp. 650 lb. cans....D	.09	: .09%
Ortho-Chloro-Toluene Sulfonate,		
175 lb. bbls, whs....D	.35	: .37
Oxalate, neutral, 100 lb. kegs....D	.20	: .23
Perborate, 275 lb. bbls....D	.23	: .23
Imp. 225 lb. drs....D	.23	: .23
Feroxide, 200 lb. cases....D	.22	: .24
Phosphate, di-sodium, tech. 550 lb.		
bbls....100 lb. ....D	3.40	: 3.75
U.S.P. gran. 375 bbls....D	.07	: .07%
Imp. ....D	.05%	: .0*
U.S.P. Crystal, 275 bbls....D	.07%	: .08
Mono-sodium, 100 lb. bags....D	.30	: .31
Tri-sodium, tech. c/l bbls....D	.05%	: .04%
Picramate, 100 lb. kegs....D	...	: .60
Para-Toluene Sulfonate, 175 lb.		
bbls....D	.08	: .09
PRUSSIATE, yellow, 350 lb. bbls.		
whs....D	.09%	: .10
Imp. 450 lb. drs....D	.09%	: .10
Fyrophosphate, 100 lb. bags....D	.24	: .26
Baileylate, 100 lb. kegs....D	...	: .40
Second Hands, U.S.P. kegs....D	.37	: .40

SODIUM—(Continued)

Silicate, 40° turbid, tanks		
wks.....100 lb	...	: .75
55 gal. drums, whs..100 lb	.85	: 1.10
40° clear, tanks, whs..100 lb	...	: 1.10
55 gal. drns, whs..100 lb	1.30	: 1.45
42° turbid, tanks, whs..100 lb	...	: .80
55 gal. drns, whs..100 lb	.90	: 1.15
42° clear, tanks, whs..100 lb	...	: 1.25
55 gal. lrs, whs..100 lb	1.35	: 1.75
Silicofluoride, 450 lb. bbls. NY. ....D	.04%	: .04%
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb. bbls.		
c/l whs....D	...	: .03%
Impt. 250 lb. bbls....D	...	: .03%
Sulfite, 66% solid, 650 lb. drs.		
ln/l whs....D	...	: .04%
Dr. c/l whs....D	...	: .04
Imp. 700 lb. drs. NY....D	...	: ..
60% broken, 650 lb. drs. whs....D	...	: .04%
Dr. c/l whs....D	...	: .04%
30% crys. 440 lb. bbls, whs....D	.02%	: .02%
Imp. 400 lb. bbls....D	...	: ..
Sulfite, crys. 400 lb. bbls. whs....D	.03%	: .03%
Anhydrous, 400 lb. bbls....D	...	: .10
Sulfocarbonate, U.S.P., 100 lb. bags....D	.82	: .34
Sulfocyanide, 400 lb. bbls....D	.45	: .47
Tungstate, crys. 100 lb. bags....D	.55	: .60
Anhydrous, bags....D	...	: .75
SOLVENT NAPHTHA, 110 gal.		
drs. whs....gal	...	: .30
8000 gal. tank cars, whs. gal	...	: .30
Spartein Sulfate, U.S.P., 250 lb. bulk	.40	: .50
Single oz. vial .....oz	...	: .57
Spirits Turpentine, bbls.....gal	...	: .90
Stm. dist. ....gal	...	: .80
Spruce, 25% Liquid tanks, whs....D	.01	: .01%
Powd. 50% 100 lb. bags, whs....D	.02	: .03%
Starch, rice, 140 lb. bags....D	.09	: .10



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facilities and nation-wide distribution.

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Chemicals

STARCH, powd. 140 lb bags. c/l 1100 lb	4.07	: 4.17
Bags, 1c/l 100 lb	4.17	: 4.27
Pearl, 140 lb bags. c/l 100 lb	3.97
Bags, 1c/l 100 lb	4.07	: 4.17
Potato domestic, 200 lb bags. bags.	.05	: .05%
Imperial, bags duty paid. lb	.06%	: .07
Wheat, dom. lb	.06%	: .07
Imp. lb	.07%	: .07%
Sol. Potato lb	.07	: .07%
Steamed Bone Meal, 3 & 50 Bales/ton	27.00	: 27.80
STRONTIUM Bromide, USP, 50 lb bags	.51	: .53
Carb. 600 lb bbls. whs. lb	....	: .07
100 lb bags. whs. lb	....	: .05
Iodide, USP, 15 lb jars. lb	....	: 4.00
Nitrate, 600 lb bbls. whs. lb	.08%	: .09
Imp., bbls. NY. lb	.07%	: .08
Salicylate, USP, 160 lb bags. lb	.76	: .80
STRYCHNINE Alkaloid, USP, ery.		
100 oz. tins. oz.	....	: .81
Japanese, cans. oz.	....	: .75
Alk. powd., USP. oz.	....	: .71
Acetate. oz.	....	: .80
Glycerocephosphate, USP. oz.	....	: .80
Hydrobromide. oz.	....	: .80
Hydrochloride. oz.	....	: .80
Hydrophosphate. oz.	....	: .80
Nitrate, USP. oz.	....	: .80
Phosphate. oz.	....	: .80
Sulfate, USP, ery. powd. oz.	....	: .87%
Saccharinide. oz.	....	: 1.92
strychnine preparations quoted bases 100s lots in 100s tins. Small flas;		
1% vials, 50c extra; 1/4oz vials, 25c extra; single ounce vials, 75c extra. Lots of 25c or 50c flas. than above schedule. Lots of less than 25 flas.		
10c higher per oz.		
Sugar Coloring (See Caramel)		
Sugar Milk, USP, 200 lb bbls. lb	.21	: .21%
Second Hands, USP, bbls. lb	.19	: .30
Sulfonate, see Sulfonmethane		
Sulfocarbonylmethane, USP, 10 lb bbls. lb	3.85	: 4.05
Sulfonmethane, USP, 10 lb bbls. lb	3.65	: 3.85
SULFUR		
Crude, f.o.b. mines. ton	14.00	: 15.00
Brimstone, 250 lb bags. c/l 100 lb	1.75	: 1.95
Less e/l bags NY. 100 lb	1.85	: 2.10
Roll, 500 lb bbls. c/l NY. 100 lb	....	: 2.15
Less e/l bags NY. 100 lb	2.20	: 2.45
Flour, Heavy, 290 lb bbls, 100 lb	2.50	: 3.05
Light, 100%, 260 lb bbls, 100 lb	2.60	: 3.15
Bubbermakers 100%, 240 lb bbls, NY. 100 lb	2.50	: 3.15
Commercial, 99%, 150 lb bags. NY. 100 lb	1.85	: 1.85
For Dusting, 99%, 100 lb bags, NY. 100 lb	1.95	: 2.50
Flowers, 100%, 240 lb bbls. NY. 100 lb	3.25	: 3.90
Precipitated, 125 lb bbls. NY. lb	.15	: .17
Lac, 125 lb bbls. NY. lb	....	: .10
Sulfur Chloride, red, 700 lb drs. whs. lb	....	: .05%
150 lb drgs. whs. lb	....	: .06
Yellow, 700 lb drs. whs. lb	....	: .04%
150 lb drgs. whs. lb	....	: .06
Sulfur Dioxide, 100 lb cyl. lb	....	: .08%
Iodide, USP, VIII. 5 lb bot. lb	....	: 4.55
Sulfuryl Ether, see Ether		
Sulfuryl Chloride, 600 lb drs. lb	.65	: .70
Sumac, Liquid, 450 lb bbls. lb	.06	: .07%
Stainless, 600 lb bbls. lb	.11	: .12
Sumac, Sicily, 100 lb bags. ton	125.00	: 140.00
Virginia, 150 lb bags. ton	55.00	: 60.00
Destructive, distilled, bbls. gal	.68	: 70
TALC, Italian 220 lb bags. NY. ton	40.00	: 50.00
Refined, white, bags. ton	50.00	: 55.00
French, 220 lb bags. NY. ton	30.00	: 35.00
Refined, white, bags. ton	38.00	: 45.00
Dom., crude, 100 lb bags. NY. ton	12.00	: 15.00
Refined, 100 lb bags. NY. ton	16.00	: 18.00
Tankage, ground, NY. unit	3.50	: 3.75
High grade f.o.b. Chicago. unit	3.00	: 3.25
Tapioca Flour, high grade bags. lb	.05%	: .06
Medium grade, bags. lb	.04%	: .05%
Low grade, bags. lb	.03	: .03%
High grade. ton	32.00	: 40.00
Tar, Coal Gas, Tks. whs. gal		
Coke Oven, Tks. whs. gal	....	: .07
Water Gas, Tks. whs. gal	....	: .06
Tar, kiln-burnt. bbl	....	: 13.50
Retrof. bbl	....	: 13.50
Taratar Emetic, tech. 700 lb bbls. lb	26	: .37
USP, 300 lb bbls. lb	....	: .31
Terpin Hydrate, USP, 100 lb bags. lb	....	: .50
Terpineol, CP, 1000 lb drums. lb	....	: .38
Cans, 50 lb. lb	....	: .42
Imported, cans, 25lb. lb	....	: .43
Terpinyl Acetate, 25lb cans. lb	....	: 1.65
Terra Alba, No. 1, 300 lb bins. 100 lb No. 2, bbls. lb	....	: 1.25
Tetralene, 50 gal drs. whs. gal	....	: 1.45
Theobromine Alk., 5 lb cans. lb	....	: 3.00
and Soda. Salicylate, 1 lb bot. lb	....	: 2.92
Thiocarbonilid, 170 lb bbls. lb	....	: .27
Thymol, USP, 25 lb tins. lb	....	: 4.00
TM, Metal Straits, NY. lb	....	: .52%
Iodide, 5 lb boxes. lb	....	: 1.25
American standard, NY. 100 lb 99% American, NY. 100 lb	....	: 56.25
bbls. whs. lb	....	: 56.75
Crystals, 500 lb bbls. whs. lb	....	: .18%
100 lb bags. whs. lb	....	: .39
Sumac, Liquid, 450 lb bbls. lb	....	: .89%
Sumac, Sicily, 100 lb bags. ton	125.00	: 140.00
Oxide, 300 lb bbls. whs. lb	....	: .59
100 lb bags. whs. lb	....	: .61
Tetrachloride, 1000 lb drs. whs. lb	....	: .32
Titanium Oxide, bbls. whs. lb	....	: .13
Tolidine, 350 lb bbls. lb	....	: .90
Sulfate, 350 lb bbls. lb	....	: .80
Toluene, 8000 gal. tank cars. whs. gal	....	: .36
110 gal. drs. whs. gal	....	: .31
Toluuidine, Mixed, 900 lb drs. whs. lb	....	: .31
Toluenes, para red. lb	....	: .90
Toluidine. lb	....	: 1.00
Tracetin, 50 gal. drs. whs. lb	....	: 1.80
Trichromphenol, 100 lb cases. lb	....	: 2.05
Trional, see Sulfoncylmethane		
Triphenylguanidine. lb	: .73
Triphenyl Phosphate, 450 lb bbls. lb	: .55

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Tripoli, 500 lb bbls	100 lb	2.50	: .80
Tungsten NY	Wt. 2 unit	..	: .80
Turkey Red Oil, bbls	lb	.11	: .12
Turpentine, see Spirit Turpentine			
Wood, see Wood Turpentine			
Ultramarine Blue	lb	.15	: .25
UREA, pure, 112 lb cases	lb	.18	: .20
Valona Cups, 30-31% tan	ton	..	: 38.00
Beard, 42% tan, bgs	ton	..	: 55.00
Mixtures, 38% tan	ton	45.00	: 46.00
VANILLIN, USP, 500 oz cans	oz	..	: .49 1/2
Cans, 80 oz	oz	..	: .50
Cans, 16 ozs.	oz	..	: .61
Second Hand	oz	.47	: .60
Venetian Red	lb	..	: .05
Vermigrid, see Copper Subacetate			
Vermilion, Amer. 100 lb kegs	lb	.35	: .40
English, kegs	lb	1.45	: 1.50
Vetrarine Sulfate, 1oz vial	oz	..	: 1.85
Hydrochloride, 1oz vial	oz	..	: 1.85
Vernal, see Acid Diethylbarbituric			
Wattle Bark, bgs	ton	43.00	: 45.00
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags, c/l wks	100 lb	..	: .90
Gilders, bags, NY	100 lb	1.00	: 1.15
French, bags, NY	ton	..	: 18.00
English, bags, NY	ton	21.00	: 23.00
Paris White	100 lb	1.30	: 1.50
Witch Hazel Extract, 50 gal bbls	gal	1.00	: 1.05
Wood Hazelamine, stm. dist. bbls	gal	.82 1/2	: .85
KYLENE, 3° dist range, nitration			
110 gal. drs. NY	gal	..	: .50
5° dist. range, 8000 gal. tanks	wks	..	: .35
110 gal. drs. wks	gal	..	: .40
10° dist. range, drums, wks	gal	..	: .35
Tanks, wks	gal	..	: .30
Commercial, 110 gal drs, wks	gal	..	: .31
Tanks, wks	gal	..	: .26
Xylidine	lb	.40	: .42

YARA YARA, 1 lb tins	lb	1.65	: 1.80
Yohimbin Hydchloride, 1 oz. vial	oz	3.15	: 4.00
Resale	oz	..	: 3.00
Yolk Oil, bbls	lb	..	: .35

ZINC, METAL, high grade, slabs

e/l NY 100 lb lb : 8.25

Common Slabs, c/l NY 100 lb lb : 7.45

Mosby, 25 lb box, NY lb : .14

Ammonium Chloride, powd, 400 lb

bbls lb : .07 1/2 : .08

Carb. tech., 150 lb kegs NY lb : .14

USP, 100 lb kegs lb : .38

Chloride, fused, 600 lb drs. wks. lb : .07 1/2

Drs. c/l wks. lb : .06

Granulated, 500 lb bbls. wks. lb : .08 1/2

Imported, drs. NY lb : .08 1/2

Solution, 50%, tanks wks 100 lb

3.00 lb : .29

USP, 25 lb jars lb : .27

Cyanide, 100 lb drs. lb : .40

Dust, 100 lb tins, wks. lb : .10 1/2

500 lb bbls. kegs, e/l wks. lb : .10 1/2

500 lb bbls. kegs, c/l wks. lb : .09 1/2

Iodide, 5 lb boxes lb : .53

Nitrate, 25 lb jars lb : .45

Oxide, Amer. 25 lb bbls. wks. lb : .08 1/2

French, 300 lb bbls. wks. lb : .10 1/2

Bbls. e/l wks. lb : .09 1/2

Bags, e/l wks. lb : .09 %

USP, 100 lb bbls. e/l wks. lb : .20

Ton lots, wks. lb : .19 1/2

Imported, white seal, bbls. lb : .12

Green seal, bbls. lb : .10

USP 100 lb bbls. lb : .15 1/2

16 lb : .16

Stearate, USP, 50 lb bbls. lb : .20

Resale 20 lb : 20 1/2

Sulfate, 400 lb bbls. wks. lb : .03 1/2

Bols. e/l wks. lb : .03

USP, 100 lb kegs lb : .05

Sulfide, 500 lb bbls. lb : .30

Sulfocarbonate, 100 lb kegs. lb : .30

wks. lb : 1.25

Zirconium, oxide, pure lb : 1.75

Semi-ref'd, bgs lb : .45

Natural, bgs lb : .08

..... lb : .02 1/2

Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.17 1/2	: .18
80 lb cases	lb	..	: .18 1/2
No. 3, bbls	lb	.17	: .17 1/2
Blown, 400 lb bbls	lb	..	: .19
China Wood, bbls, spot, NY	lb	.13 1/2	: .13 1/2
Tanks, Spot, NY	lb	..	: nom.
Cat. tks.	lb	.11 1/2	: .12
Coconut, Ceylon, 375 lb bbls, NY	lb	.10 1/2	: .10 1/2
5000 gal. tanks, NY	lb	.09 %	: .09 %
Cochin, 375 lb bbls, NY	lb	..	: .11 %
Tanks, NY	lb	..	: .10 %
Manila, bbls, NY	lb	.10 1/2	: .10 1/2
Tanks, Pacific Coast	lb	..	: .09 %
Edible, bbls, NY	lb	.12 1/2	: .18
Cod Newfoundland, 50 gal. bbls, gal	gal	.62	: .65
Tanks, NY	gal	.55	: .57
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb	.05 %	: .06
Corn, ref., 375 lb bbls, NY	lb	..	: .13
Crude, tanks mills	lb	.09	: .09 1/2
Bbls, NY	lb	.11	: .12
Cottonseed, crude, tks, mill	lb	..	: .10
P. S. Y., 100 bbls, NY	lb	.10 1/2	: .11
White, 100 bbls, lots, NY	lb	..	: .13 1/2
Winter yellow, 100 bbls, NY	lb	..	: .13 1/2
Degras, Amer. 50 gal. bbls, NY	lb	.04 %	: .04 %
English, light, bbls, NY	lb	.05 %	: .05 %
Brown, bbls, NY	lb	.04 %	: .04 %
Light brown, bbls, NY	lb	.04 1/2	: .04 %
Dark, bbls, NY	lb	.03 1/2	: .04
Neutral, bbls, NY	lb	.07 %	: .12
Melon, bbls, NY	gal	..	: .50
Greases, choice white, bbls, NY	lb	..	: .13 %
Yellow	lb	..	: .09
Brown	lb	..	: .09
House	lb	..	: .08 %
Bone naphtha	lb	..	: .07



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Oils - Fats

Herring, Tanks, Coast	gal	.40	: nom.	Peanut, refined, bbls., NY	b	.15	: .16
Horse, 375 lb bbls., NY	b	.10	: nom.	Crude, mills buyers' the	b	..	: .10%
Lard, prime steam, bbls.	b	..	: .17%	Crude, bbls., NY	b	..	: .10%
Compounds, bbls.	b	..	: .18%	Perilla, bbls., NY	b	..	: .15
LARD OIL, Edible, prime	b	..	: .19%	Poppyseed, bbls., NY	gal	2.25	: 2.50
Off prime, bbls.	b	..	: .17%	Rapeseed, refined, bbls., NY	gal	.96	: .97
Extra, bbls.	b	..	: .15%	Blown, thins, NY	gal	..	: 1.14
Extra, No 1, bbls.	b	..	: .14	Red Oil, distilled, bbls.	b	.113%	: .12%
No. 1, bbls.	b	..	: .13%	Saponified, bbls.	b	.113%	: .12%
No. 2, bbls.	b	..	: .13	Tanks	b	..	: .10%
LINSEED, raw, c/l bbls, spot	gal	..	: 1.06	Salmon, 8000 gal, the Coast	gal	.50	: nom.
Five bbls., raw	gal	..	: 1.09	Sesame, edible, yellow, bbls.	b	.13%	: .14
Tanks, raw	gal	..	: 1.03	White	b	.14%	: .15
Botted, 5 bbl. lots	gal	..	: 1.12	Soy Oil, bbls., NY	gal	..	: .40
Double Bottled, 5 bbl. lots	gal	..	: 1.13	SOYA BEAN, crude, the, Coast	b	..	: .10%
Apr.-Aug., c/l wks.	gal	..	: 1.06	Crude, the, NY	b	..	: .13%
Imported, bbls., NY	gal	..	: ...	Crude, bbls., NY	b	.13	: .13%
Tanks, NY	gal	..	: ...	Refined, bbls., NY	b	..	: .14%
Menhaden, crude, bbls., wks.	gal	.78	: nom.	Sperm, 38° c.t. blchd. bbls. NY	gal	.89	: .91
Crude, tanks, Balt.	gal	.55	: nom.	45° cold test, blchd. bbls. NY	gal	.87	: .89
Light pressed, bbls., NY	gal	.80	: .82	STEARIC ACID, s.p. 200 lb bags	b	..	: .14%
Yellow, bleached, bbls., NY	gal	.83	: .85	Double pressed, bags	b	.14%	: .15%
Extra bleached, bbls., NY	gal	.85	: .87	Double pressed, bags, saponified	b	.14%	: .15%
Blown, bbls., NY	b	..	: .11	Triple pressed, bgs., distilled	b	.16%	: .17%
Natzfoot, 20° c.t. bbls., NY	b	..	: .17%	Triple pressed, bgs., saponified	b	.16%	: .17%
Pure, bbls., NY	b	..	: .15	Stearine, oleo, bbls.	b	.14	: .14%
Extra, bbls., NY	b	..	: .14	Tallow, edible, tierces	b	..	: .16%
No. 1, bbls., NY	b	..	: .13%	City, extra loose	b	..	: .09
Oleo Oil, No. 1, bbls., NY	b	.13	: .13%	Tallow Oil, acidified, the, NY	b	..	: .13%
No 2, bbls., NY	b	.12%	: .13	Bibs., c/l NY	b	..	: .13%
No. 3, bbls., NY	b	..	: .11	Walnut, crude bbls., NY	b	..	: .15%
OLIVE, denatured, bbls., NY	gal	1.20	: 1.25	Whale, nat winter bbls., NY	gal	..	: .79
Edible, bbls., NY	gal	2.00	: 2.30	Blehd. winter bbls., NY	gal	..	: .81
Foots, bbls., NY	b	..	: .09%	Extra Rich, bbls., NY	gal	..	: .93
Shipments	b	..	: .09%	Crude, No. 1, tanks Coast	gal	..	: ...
Palm Lagon, 1500 lb casks	b	.09%	Crude, No. 2, tanks Coast	gal	..	: ...	
Niger, casks	b	.09	: .09%	Crude, No. 3, tanks Coast	gal	..	: ...
Bonny old Calabar, casks	b	.08%	: nom.	Crude, No. 1, tanks Coast	gal	..	: ...
Palm Kernel, bbls., NY	b	.10	: .10%	Crude, No. 2, tanks Coast	gal	..	: ...

Crude Drugs

Aceroides Gum, yel.	b	.18	: .20
ACONITE LEAVES, bales	b	.10	: .11
Root, USP, bags	b	.33	: .35
Agar Agar, 1, 200 lb bales	b	1.40	: 1.50
No. 2, bales	b	..	: 1.40
No. 3, bales	b	..	: 1.25
Agaric, white, cases	b	2.75	: 3.00
Granulated, boxes	b	3.25	: 3.40
Almonds, bitter, boxes	b	.60	: .65
Sweet, boxes	b	.57	: .60
Meat, barrels, boxes	b	.24	: .25
Aletris Root, bags	b	.40	: .45
Alkanet Root, bags	b	.10	: .11
Aloes, Barbados, 120 lb bbls.	b	.65	: .70
Cape, 400 lb cases	b	.08%	: .09
Curacao, 100 lb cases	b	.10	: .11
Socotrine, whole, 300 lb cs.	b	.23	: .27
Select, cakes, b	b	.34	: .36
Althea Root, Cuts, cs.	b	.75	: .80
Whole	b	.23	: .24
Ambergris, black boxes	cs	8.00	: 10.00
Grey, boxes	cs	..	: 26.00
Ammoniac, tears, bags	b	.65	: .70
Angelica Root, dom. bags	b	.13	: .14
Angostura Bark, bags	b	.25	: .30
Anise, Levant bags	b	.15	: .18
Russian, bags	b	.13	: .14
Star, cases	b	.13%	: .14
Spaniard, bags	b	..	: .14
Annatto Seed, 200 lb bags	b	.14%	: .15
Annatto Seed, 200 lb bags	b	.15	: .18
ARABIC GUM			
White, No. 1, 200 lb bags	b	.26	: .27
Seconds, 250 lb bags	b	.24	: .25
Sorts, amber, 200 lbs. bbls.	b	.13	: .14
Powd., USP, 300 lb bbls.	b	.20	: .21
Areca Nuts, 150 lb bags	b	.15	: .17
Powd., 200 lb bbls.	b	.19	: .21
Argols, Red, bbls.	b	.06	: .07
Armenia Flowers, bales	b	.10	: .11
Root, bags	b	.23	: .30

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Arrowroot, Amer., pwt. bbls....	lb .10%	.11	Buckthorn Bark, bags.....	lb .07	.08	Cassia Batavia, No. 3, bales....	lb .19	.09%
Bermuda, bbls	lb .	.	Burdock Root, bags	lb .13	.14	China, select, rolls, cases....	lb .10	.11
St. Vincent, powd. bbls....	lb .18	.14	Burgundy Pitch, dom, 110 lb stands	lb .	.	Broken, bales	lb .07%	.08
Afrofida, USP, 250 lb cases....	lb .23	.25	Gross for net	lb .04%	.05	Buds, cases	lb .20	.21
Powd., 50 lb bxs....	lb .38	.40	Imported	lb .10	.11	Cassia Fistula, baskets	lb .08	.09
BALM GILEAD BUDS, bags....	lb .45	.50	Calabar Beans, bags.....	lb .	.	Castile Soap, USP, powd., 200 lb bbls.....	lb .30	.32
Salmony Herbs, bales	lb .	.	Calamus Root, bleached, cases..	lb .33	.35	Caster Beans, bags	lb .03	.
SALSAMS			Unbleached, bags	lb .06%	.07	Castoreum, 1 lb bot.....	lb .50	.25
Copiba, Para, 80 lb cs....	lb .52	.55	Calendula Petals, imp., bags....	lb .23	.30	Catechu Gum, bags	lb .11	.13
South American, 80 lb cs....	lb .55	.60	Calisaya Bark, bals, powd....	lb .25	.26	Catnip Herb, bales	lb .23	.26
Fir Canada, cans	gal 10.00	10.50	Camphor, see Chemicals			Celery Seed, bales	lb .30	.31
Oregon, bbls, cases	lb 1.00	1.05	Canary Seed, Morocco bags....	lb .07%	.08	Cerisin Wax, white, bags	lb .10%	.20
Peru, 120 lb cases....	lb 1.90	2.00	Spanish, bags	lb .07%	.08%	Yellow, 200 lb bags	lb .09	.10
Tolu, 120 lb cases....	lb 1.50	1.60	South American bags	lb .	.	CHAMOMILE FLOWERS, Roman		
Bamboo Brier Root, bags....	lb .05%	.06	Candelilla Wax, bags	lb .28%	.30	cases bales	lb .18	.20
Berberry Bark, tree, bales....	lb .11	.13	Canella Alba Bark, bales	lb .50	.52	Hung, cases bales	lb .07%	.08
Root, bags	lb .35	.37	Cannabis, true Imp. bags	lb .	.	Charcoal, Willow, powd. bbls....	lb .06	.06%
Saverry Bark, bales	lb .10	.12	American (no assay) bales....	lb .30	.40	Wood, powd. bbls.....	lb .04	.05
Wax, bbls	lb .21	.22	USP	lb .45	.60	Chestnut Bark, bags	lb .07	.08
Belladonna Leaves, balsm....	lb .24	.25	Cantharides, Chinese, cases....	lb .95	1.00	Herd, bales	lb .06	.06%
Root, bags	lb .16	.18	Powdered, boxes	lb 1.15	1.20	Chicle Gum, bags	lb .82	.85
Bee Wax, white, cases	lb .54	.56	Cantharides, Russian, cases....	lb .85	.90	Chittree, bals	lb .10	.12
Yellow, refined, cases	lb .40	.42	Powdered, boxes	lb 1.00	1.10	Cinchona Bark, red quills bales....	lb .75	.80
Crude, bags	lb .37	.38	Caraway Seed, African, bags....	lb .	.	30 in. quills	lb .20	.25
Benzoin, Gum, Siam, boxes....	lb 1.30	1.35	Dutch, 11 lb bags	lb .08%	.09	Broken, bals	lb .28	.29
Sumatra, 80 lb boxes....	lb .23	.24	Cardamom, bleached, cases....	lb .25	3.00	Cinnamon, Ceylon, No. 1, bales....	lb .37	.38
Berberis Aquifolium Root, bags....	lb .13	.13	Decoricated, cases	lb .225	2.40	No. 2, bales	lb .34	.35
Reth Root, bags	lb .24	.26	Green, grinding, bags	lb 1.58	1.65	No. 3, bales	lb .30	.31
Ritter Root, 100 lb bags....	lb .40	.42	Carnauba Wax, Flor, bags....	lb .38	.40	Civet, Abyssinian horns	oz 2.75	.75
Blackhawk Bark, root, bales....	lb .33	.34	No. 1, N Country bags....	lb .35	.36	Clover Tops, bags	lb .17	.20
Tree, bales	lb .15	.16	No. 2 N Country bags....	lb .32	.34	Cloves, Zanzibar, 135 lb bales....	lb .26	.27
Blood Root, bags	lb .14	.16	No. 3 N Country bags....	lb .26	.27	Amboynas, bales	lb .38	.40
Blushing Root, bags	lb .28	.30	No. 3, Fatty Gray bags....	lb .27%	.28%	Penang, bales	lb .40	.43
Holbo Leaves, bals	lb .20	.21	Cascara Amarga, 150 lb bales....	lb 1.35	1.60	Cochineal, Black	lb .46	.48
Boneset Herb, bales	lb .09	.11	So-called, bales	lb .50	.52	Coca Leaves, Huancos, bags....	lb .	.
Leaves, bales	lb .09	.11	1920-22 bark	lb .26	.28	Tridillo, bags	lb .	.
Borage Flowers, bales	lb .15	.20	1923 bark	lb .21	.24	Cohes Root, Black, bags	lb .10	.11
Bryonia Root, bags	lb .09	.10	1924 bark	lb .14	.15	Blue, bugs	lb .12	.13
Black Indian Root, 100 lb bags....	lb .40	.42	Cascaria Bark, quills, bales....	lb .	.	Colechic Root, bags	lb .08	.09
BUCHU LEAVES, short, 250 lb bales	lb .70	.72	Siftings, bbls	lb .	.	Seed, bags	lb .15	.17
Less, bales	lb .76	.78	Cassia Batavia, No. 1, bales....	lb 10%	.11	Coloeynth, apples, cases, bales....	lb .	.
Long, bales	lb .	.	Shortstick, bales	lb .08%	.09	Pulp, USP, bales	lb .25	.27
Buckbean Leaves, bales	lb .07%	.08						

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Cinnamon Root, whole bags	lb .03 1/2 : .04	Eucampane Root, bags	lb .09 : .10	Guaiae Gum, 80 lb cases	lb .33 : .35
Cinnafoot Leaves, bags	lb .05 : .06	Elder Flowers, bags	lb .10 : .13	Guarana, tins, cases	lb .60 : .70
Confrey Root, bags	lb .13 : .14	Elema Gum, 80 to cases	lb .10 : .11	GUM, see Arabic Gum, etc.	
Condurango Bark, bags	lb .13 : .13 1/2	Elm Bark, select 5 lb bundles cases	lb .28 : .27	HELLOBORE ROOT,	
Conium Herb, bags	lb .13 : .14	Grinding, bags	lb .16 : .17	Black, bbls.	lb .08 : .10
Cosium Seed, bags	lb .11 : .12	Powdered	lb .23 : .25	Powdered	lb .15 : .17
Copaipe Balsam Para, see Balsams		Powered, bbls.	lb .23 : .25	White, Powd., 250 lb bbls.	lb .10 : .11
Copal Gum	lb .12 : .13	ERGOT, 150 200 lb bags	lb .51 : .53	Hclonias Root, (unicorn false)	
Coriander Seed, Bombay, bags	lb .08 1/2 : .04 1/2	Eucalyptus Leaves, bales	lb .05 : .05 1/2	bag	lb .67 : .68
Morocco, bags	lb .08 1/2 : .04 1/2	Euphorbia Pilulifera Herb, bags	lb .09 : .09 1/2	Hemp Seed, Manchurian, bgs	lb .03 1/2 : .04
Blaasched, bags	lb .07 1/2 : .08	Euphorium Gum, cases	lb .25 : .27	Chilean, bags	lb .04 : .04 1/2
Corn Silk, bales	lb .04 1/2 : .05 1/2	Powdered, boxes	lb .40 : .42	Henbane Leaves, bales, USP	lb .27 : .32
Cotton Root Bark, bales	lb .12 : .13	Fennel Seed, French, bags	lb .09 1/2 : .10	No assay	lb .24 : .26
Cottongrass, cut, tins	lb .55	German, bags	lb .15 : .16	Henna Leaves, bales	lb .09 : .09 1/2
Cramp Bark, so called bales	lb .06 1/2 : .07	Indian, bags	lb .08 1/2 : .09	Powdered	lb .12 : .13
Tre, bags	lb .28 : .30	Flax Seed, whole, 180 lb bbls.	lb 15.00 : 15.25	Honey, Calif., 120 lb cases	lb .11 : .12
Craneshill Root, bags	lb .09 : .10	Ground, 180 lb bbls.	lb .08 : .08 1/2	Hops, N. Y. prime bales	lb .28 : .30
CUBER BERRIES, XX, bags	lb .65 : .66	Fenugreek Seed, 200 lb bags	lb .05 : .05 1/2	Pacific Coast prime bales	lb .25 : .27
Powdered, boxes	lb .68 : .70	Fish Berries, 100-125 lb bags	lb .08 1/2 : .09	Horehound Herb, bales	lb .08 1/2 : .09
Culvers Root, bags	lb .22 : .23	Fringe Tree Bark, bags	lb .28 : .30	Horse Nettle, Berries, bags	lb .35 : .38
Cumin Seed, Levant bags	lb .14 1/2 : .15	Fumigating Pastilles Black, 1 lb	lb .15 : .16	Hornstall Bush, bags	lb .15 : .15
Malta, bags	lb .14 1/2 : .15	boxes	lb .17 : .18	Hydrangea Root, bales	lb .09 : .10
Morocco, bags	lb .11 : .12	Red, 1 lb boxes	lb .17 : .18	India Gum, see Karaya	
Cuttlefish Bone, Trieste, straps	lb .13 1/2 : .14	GALANGAL ROOT, bags	lb .09 : .10	INSECT FLOWERS, open whole	
Jewelers large, straps	lb .11 : .12	Gambier Gum, case	lb .80 : .85	Baled	lb .27 : .28
Small, straps	lb .11 : .12	Gambier, bags	lb .17 : .18	Closed whole, bales	lb .29 : .30
French, straps	lb .13 1/2 : .14	Gamboge Gum, 160 lb cases	lb .17 : .18	Powdered, pure, 200 lb bbls.	lb .35 : .38
Powdered, boxes	lb .14 : .15	Gelasmium Root, bags	lb .11 : .11 1/2	Flowers and Stems, 50 p.c.	
Broken, boxes	lb .11 : .12	Gentian Root, bags	lb .08 : .08 1/2	200 lb bbls.	lb .25 : .27
Damar Gum, 186 lb cases	lb .27 : .28	Ground, bbls., boxes	lb .12 : .13	Ipecac Root, Cartagena, bags	lb .210 : .220
Damiana Leaves, bales	lb .65 : .70	Powdered, boxes	lb .12 1/2 : .13	Powdered, 200 lb bbls., bxs.	lb .235 : .245
Dandelion Root, Imp., bags	lb .20 : .21	Ginger, African, bags	lb .15 : .15 1/2	Rio Whole, bags	lb .210 : .220
Dear Tongue Leaf, bales	lb .08 1/2 : .09	Jamaica, grinding, bags, bbls.	lb .23 : .24	Powdered, 200 lb bbls., bxs.	lb .240 : .250
Digitalis Leaves, bales	lb .09 : .10	Japan, bags	lb .13 : .14	Indianglass, American, 130 lb cs.	lb .75 : .80
Dill Seed, bags	lb .06 : .08 1/2	Cochin, ABC & Lemon, bags	lb .23 : .25	Russian (Beluga) bxs. cins.	lb .400 : .450
Cleaned, bags	lb .08 1/2 : .08 1/2	Ginseng Root, cultivated, bags	lb 8.00 : 10.00	JABORANDI LEAVES, bales	lb .10 : .10 1/2
Dogrose Bark, Jamaica, bags	lb .09 1/2 : .10	Northwestern Wild, bags	lb 12.00 : 14.00	Powdered, USP, 250 lb bbls.	lb .34 : .36
American, bales	lb .07 : .08	Southern Wild, bags	lb 8.50 : 10.00	Japan Wax, White, bags	lb .15 1/2 : .16
Doggrass Root, USP, cut bags	lb .10 : .11	Goldenseal Root, bags	lb 4.50 : 4.60	Job's Tears, White, bags	lb .05 : .08
Dragons Blood, mass cases	lb .70 : .75	Powdered, boxes	lb 4.90 : 5.00	KAMALA, USP, boxes	lb 1.06 : 1.05
Reeds, boxes	lb .75 : .80	Grains of Paradise, bags	lb .13 : .14	Karaya Gum, powdered, bbls.	lb .08 1/2 : .15
ECHINACEA ROOT, bags	lb .32 : .34	Grindelia Robusta Herb, bales	lb .09 : .09 1/2		

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Crude Drugs

Kava Kava Root, bags	lb .18	: .19
Kino Gum, black cases	lb .50	: .55
Kola Nuts, 150 lb bags	lb .04 1/2	: .05
Kousse Flowers, bags	lb 1.50	: 1.75
LADY SLIPPER ROOT, bags	lb .50	: .55
Larkspur Seed, bags	lb 3.25	: 3.50
Laurel Berries, bags	lb .10	: .11
Leaves, Greek bales	lb .04 1/2	: .05
Italian, bales	lb .04 1/2	: .05 1/2
American, bales	lb .25	: .25
Laurel Leaves, bales	lb .04 1/2	: .05
Lavender Flowers, ordinary	lb .22	: .24
Selected	lb .30	: .38
Leeches, tube	Per 100 3.20	: 3.75
Lemon Peel, bags	lb .08 1/2	: .09
Licorice Root, Russian, whole	lb .03	: .04
Spanish, natural bales	lb .07	: .08
Powdered, bbls.	lb .13	: .13
Selected, 2 & 5 lb bundles	lb .13	: .18
Cuttings, 125 lb bags	lb .06 1/2	: .07
Turkish, 150 lb bales	lb .03	: .03 1/2
Life Everlasting Herbs, bales	lb .05	: .06
Lime Juice, clarified bbls., gal	.60	: .65
Linseed Flowers with leaves, bales	lb .11	: .11 1/2
Without Leaves, bales	lb .10	: .20
Lobelia Seed, bags	lb .47	: .50
Lobelia Herb, bales	lb .60	: .55
Lovage Root, Imported, bags	lb .18	: .20
Lupulin, N.F. tins	lb 1.55	: 1.60
Bands, No. 1 cases	lb 1.00	: 1.05
Lycopodium, 88 lb cs.	lb .75	: .80
MACE, Staur, No. 1	lb .98	: .99
Banda, No. 1 cases	lb 1.00	: 1.05
Baravia, No. 2, cases	lb .88	: .90
West India, cases	lb .88	: .90
Malva Flowers, blue bales	lb .32	: .24
Black, bales	lb .55	: .60
Mancos Root, bales	lb .17	: .22
Manna, large flake, cases	lb .65	: .70
Small flake, cases	lb .38	: .41
Sorts, cases	lb ...	: .30
Mandrake Root, bags	lb .11	: .12
Marjoram Leaves, German, bales	lb .30	: .33
African, bales	lb ...	: ...
Marjoram Leaves, French, bales	lb .35	: .40
Chilian, bales	lb .30	: .31
Mastic Gum, 120 lb cans	lb .55	: .57
Matico Leaves, bales	lb .12	: .13
Mezereon Bark, bags	lb .11	: .12
Millet Seed, dom yellow bags	lb .04	: .04 1/2
Montan Wax, crude bags	lb .05 1/2	: .06
Bleached	lb ...	: ...
Noss, Iceland, bales	lb .09	: .10
Irish, bleached, bales	lb .10	: .12
Select, bags	lb .12	: .13
Multlein Flowers, tins	lb .90	: 1.10
Musk, pods, Carbadine, tins	oz 16.00	: 17.00
Tonquin	oz 22.00	: 25.00
Grain Cab.	oz 25.00	: 26.00
Tonquin	oz 35.00	: 38.00
Synthetic, see Chemicals		
Musk Root, Russian, bags	lb 2.00	: 2.50
Mustard Seed Barri brown bags	lb .12	: .12 1/2
Bombay, brown	lb .08 1/2	: .09
California, brown	lb .11 1/2	: .11 1/2
Yellow	lb ...	: ...
Chinese yellow	lb .05 1/2	: .06 1/2
English, yellow	lb .09 1/2	: .10
Dutch, yellow	lb .08 1/2	: .08 1/2
Danish, yellow	lb .08 1/2	: .08 1/2
Myrrh Gum, select, 200 lb cs.	lb .25	: .28
Sorts, cases	lb .20	: .24
NUTGALLS, Chinese, bags	lb .17	: .18
Aleppo, bags	lb .14	: .15
Nutmegs, 110 lb cases	lb .55	: .57
Tins, 80s, cases	lb .59	: .61
Grinding, bags	lb .48	: .50
Nur Vomica Buttons, bags	lb .05 1/2	: .06
Powdered, 200 lb bbls.	lb .09	: .09 1/2
OAK BARK, red bags	lb .05	: .06
White, bags	lb .06	: .07
Olibbanum Gum, sift 280 lb cases	lb .11	: .11 1/2
Tears, 280 lb cases		
No. 1, all white 280 lb cases	lb .22	: .23
No. 2, 280 lb cases	lb .12	: .14
Opium, gum, USP, cases	lb 12.00	: 13.00
Granular, cans	lb 13.00	: 14.00
Opium, Powdered, USP, cans	lb 13.00	: 14.00
Orange Flowers, cases	lb .30	: 1.25
Orange Peel, bitter, bags	lb .07 1/2	: .08
Sweet, bags	lb .11	: .11 1/2
ORRIS ROOT, Florentine bold bags	lb .09	: .10
Powdered, 200 lb bbls.	lb .12	: .13
Verona, bags	lb .07	: .08
Fingers, cans	lb .58	: .60
Ozokerite Wax, brown hard bags	lb .24	: .25
Green, hard bags	lb .26	: .29
Refined, yellow, bags	lb ...	: ...
PAPRIKA, bags	lb .18	: .26
Hungarian	lb .26	: .27
Pareira Brava Root, bags	lb .11	: .12
Parsley Seed, bags	lb .15	: .17
Patchouli, Leaves, bales	lb .16	: .18
Peltitory Root, bales	lb .24	: .26
Pepper, black, Sing, bags	lb .14	: .14 1/2
White, bags	lb .19 1/2	: .20
Aleppo, bags	lb .13	: .13 1/2
Lampung, bags	lb .12	: .12 1/2
Tellacherry, bags	lb .13 1/2	: .14
Muntock, bags	lb .20 1/2	: .21
Red Chillies, Japan No. 1, lbs.	lb .21	: .21 1/2
Mombassa, bags	lb .09 1/2	: .09 1/2
Talay, bags	lb .11	: .18 1/2
Capicum, Bombay, bags	lb .11	: .11 1/2
Peppermint Leaves, imp. bales	lb .18	: .22
Cuts, bales	lb .12	: .14
Domestic leaf	lb .18	: .19
Peru Balsam, see Balsams		
Pichi Leaves, bags	lb .23	: .25
Plimento, select, bags	lb .09 1/2	: .09 1/2
Plunk Root, true bags	lb .72	: .75
Pitch, Burgundy, see Burgundy Pitch		
Plantain Leaves, bales	lb ...	: .15
Pleurisy Root, bags	lb ...	: .23
Poke Berries, bags	lb .08	: .09
Pomegranate Bark, of root bags	lb ...	: .30
Of Fruit, bags	lb ...	: .30
Of Tree	lb ...	: .30
Poppy Flowers, red bags	lb .25	: .27

20

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PRICES CURRENT SECTION

[APRIL 1, 1925]

Crude Drugs

Poppy Seeds, Dutch, bags.....	lb .08%	.09%	Savory Leaves, bales	lb .07%	.08	Spruce Gum, boxes	lb 1.00	: 1.50
German, bags	lb .09%	.10	Raw Palmetto Berries, bags.....	lb .09	.09%	Squaw Vine, bales	lb .16	: .17
Turkish, bags	lb .08%	.09%	Scammony Root, bales	lb 1.20	.130	Squilla, white	lb .04%	: .05
Blue Indian, bags	lb .08	.09	Seneca Root, bags	lb .07	.07%	Powdered, bulk	lb .12	: .14
White Indian, bags	lb .08	.08%	SENNNA, Alex 150 lb cases.....	lb .22	.23	Stavesacre Seed, bags	lb .35	: .37
Prickly Ash Bark, Southern, bags.....	lb .31	.33	Half Leaf, 350 lb bales.....	lb .13	.15	Sticklac, Siam, 250 lb bales.....	lb .46	: .48
Northern, bags	lb . . .	. . .	Siftings, 400 lb bales	lb .10	.11	Stillingia Root, bags	lb .12	: .13
Prickly Ash Berries, bags.....	lb .14	.16	Powdered, 200 lb bbls	lb .14	.14%	Stone Root, bags	lb .09	: .10
Prince's Pine, bales	lb .20	.25	Tinnevelly, Bold, 350 lb bbls	lb .14	.17	St. Ignatius Beans, bags	lb .12	: .13
Pulsatilla Herb, bags	lb .12	.13	Medium Leaf	lb .11	.14	St. John's Bread, bags	lb .08	: .09
Pumpkin Seed, bags	lb .20	.22	Small Leaf	lb .08	.11	Stramonium Leaves, bales	lb .07%	: .08
QUASSIA CHIPS, bags	lb .06%	.07	Powdered, 300 lb bbls	lb .08%	.09	Stramonium Seed, bags	lb .10	: .11
Queen of the Meadow Herb, bags. lb	. . .	.06	Pods, 350 lb bales	lb .14	.15	Strophanthus Seed, Hippocrate	lb . . .	. . .
Quince Seed, bags	lb .80	.85	Serpentaria Root, bags	lb .35	.90	Kombe, bags	lb 1.00	: 1.15
RAPE SEED, South Amer. bags. lb	.06	.06%	Shellac, D. C. bags	lb .78	.79	Syrax, Liquid artif.	lb .25	: .30
Dutch, bags	lb .08	.08%	V.S.O. bags	lb .78	.79	Gen. U.S.P.	lb .45	: .60
Japanese, small, bags	lb .06%	.07	Diamond I. bags	lb .78	.79	Sundowner Seed, domestic bags	lb .06	: .06%
Raspberries, dried boxes	lb .60	.62	Superfine, Orange, bags	lb .63	.64	South American, bags	lb .05%	: .06%
Red Sanderson	lb .17	.19	Fins, bags	lb .62	.63	TAGALDER BARK, bags	lb .05	: .06
Khatayn Root, bags	lb .09	.10	T.N., bags	lb .57%	.58	Tamarinds, bbls	lb .05%	: .07
SHUBBARE, Root, H.D., cases.....	lb .32	.34	Garnet, A. C.	lb .58	.59	Kops	per kg 3.50	: 3.75
Powdered, 200 lb bags	lb .38	.40	Button bags	lb .76	.78	Tanby Herb, bales	lb .18	: .19
Rosemary Leaves, bales	lb .04	.04%	Bleached, ground, bbls	lb .58	.56	Tar, Barbadoes, 50 gal bbls	gal 1.40	: 1.50
Rosemary Flowers, cases bales	lb .20	.24	Bone Dry, bbls	lb .67	.68	Thyme, Spanish bales	lb .09	: .09%
Rose Petals, pale	lb .27	.30	Sideritis Herb, cut bags	lb .15	.18	French, bales	lb .10%	: .11%
Rue Herb, bales	lb .18	.20	Simaruba Bark, bales	lb .08	.09	Tilia, see Linden .....	. . .	. . .
SABADILLA SEED, bags	lb .18%	.18	Skullcap Leaves, Eastern, bales	lb .60	.62	Tolu Balsam, See Balsams .....	. . .	. . .
Powder, bbls	lb .19	.20	Western, bales	lb .22	.24	Tonga Bark, bags	lb .80	: .88
Saffron Flowers, Amer. bales	lb .60	.64	Smuk Cabbage Root, bales	lb .14	.17	Tonka Beans, Angostura, cases	lb 2.00	: 2.15
Valencia, 1 lb cans	lb 35.00	.36.00	Sloe Berries, bags	lb .08	.04	Para, cases	lb .85	: .95
Sage, Dalmatian, bales	lb .05	.05%	Snake Root, Canada, natural, bags. lb	lb .34	.35	Surinam, cases	lb .85	: .95
Greek, bales	lb .03%	.04	Stripped, bags	lb .50	.65	Tragacanth Gum, No. 1 ribbon	lb 1.35	: 1.40
Spanish, bales	lb .03	.03%	SOAP BARK, whole, 150-200 lb	lb .10	.12	100 lb can	lb .95	: 1.30
Sandalwood, chips, bags	lb .18	.19	bales	lb .09%	.10	No. 2 to No. 6	lb .95	: 1.30
Ground, bags	lb .31	.32	Cut, 125-175 lb bags	lb .10	.11	Powdered, 50 lb boxes	lb .87	: .92
Sandarac Gum, 200lb bbls	lb .43	.44	Crushed, 200 lb bbls	lb .13	.14	Turkish, cases	lb .70	: .85
Sarsaparilla Root, Honduras, bales. lb	.68	.70	Powdered, 200 lb bbls	lb .15	.22	. . .	. . .	. . .
Mexican	lb .21	.22	Spearmint Leaves, American bales. lb	lb .38	.45	. . .	. . .	. . .
Sassafras Bark, ordinary bales	lb .15	.17	Spermacti, blocks, cakes, cases. lb	lb .23	.25
Select, bales	lb .30	.31	Spikenard Root, bags	lb .23	.25

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Essential Oils

Turmeric Root, Madras bags....	lb .13%	.13%
Alspicy, bags	lb .11%	.11%
Powdered	lb .13%	.14
China, bags	lb .09	.09%
Turpentine, Venice, true 80 lb cs....	lb .22	.23
Artificial, 80 lb cases	lb .11	.13
spirits, see Naval Stores		
UNICORN ROOT, false, see Helianthus		
Tus, see Aletria		
Uva Ursi Leaves, bales	lb .05	.05%
VALERIAN ROOT, Belgian bags....	lb .18	.20
Vanilla Beans, Mex. whole cases....	lb 11.00	.13.00
Cuba, cases	lb 9.00	9.50
Bourbon, cases	lb 9.00	9.50
South American, cases	lb 9.00	9.50
Tahiti, Label label cases....	lb 8.00	8.25
Green Label, cases....	lb ...	...
Vetiver Root, 100 lb bags....	lb .25	.26
Violet Flowers, bags	lb .80	.95
WAHOO BARK, of root bags....	lb .80	.85
Of Tree, bags	lb .35	.37
White Pine Bark, rossed, bags....	lb .07%	.08
White Poplar Bark, bags....	lb .06	.07
Wild Cherry Bark, thin green		
Rossed, bales	lb .13	.14
Thick Rossed, bales	lb .07	.08
Thin Natural, bales	lb .09	.09%
Thick Natural, bales	lb .05	.06
Willow bark, bags	lb ...	.06
White, bags	lb ...	.15
Witch Hazel Bark, bgs....	lb .08	.09
Leaves, bales	lb .09	.10
Worm Seed, American, bags....	lb .08	.08%
Levant, bags	lb 2.75	3.00
Wormwood Herb, imported bales....	lb ...	.10
Yucca Gum, red	lb .04	.04%
Ground	lb .05%	.06%
Yellow Root (Zanthoxylum) bgs....	lb .16	.17
YELLOW DOCK ROOT, bags....	lb .12	.14
Yellow Parilla Root, bags....	lb .16	.17
Yerba Santa, bags....	lb .09	.09%
Zedoary Root, bags....	lb .11	.12

Essential Oils¹

Almond, Bitter, USP, 5 lb bot....	lb 3.15	3.25
Bitter ff PA 5 lb bots....	lb 3.25	3.50
Sweet, 50 lb cans	lb .77%	.82
Peach Kernel, 55 lb tins....	lb .28	.30
Apricot, see Peach Kernel		
Amber, crude, 25 lb tins....	lb .70	.75
Rectified, 25 lb tins	lb .85	.90
Angelica Root, 1 lb bot....	lb 18.00	20.00
ANISE, Tech., 66 lb case....	lb .62	.64
USP, 50 lb tins	lb .65	.70
Bay, 25 lb tins	lb 2.20	2.30
Terpenes.....	lb 6.00	6.50
Bergamot, 25 lb coppers....	lb 3.60	3.90
Terpenes.....	lb 12.00	12.50
Artificial, 25 lb cans	lb 2.00	2.20
Birch Tar, rect. 5 lb bot....	lb .75	.80
Crude, 50 lb tins	lb .30	.50
Bois de Rose, 25 lb tins....	lb 4.50	5.00
Cade, 25 lb cans	lb .30	.35
Caliput, native, 50 lb tins....	lb .75	.80
Calamus, 5 lb bot	lb 3.75	4.00
Camphor, heavy, 1000 lb drs....	lb .14	.14%
Japanese, white, 72 lb cases....	lb .12	.12%
White, 1000 lb drs....	lb .11%	.12
Cananga, native, 25 lb tins....	lb 2.25	2.35
Cascarilla, USP, 25 lb tins	lb 2.65	3.00
Caraway, USP	lb 2.25	2.35
Cardamom, USP, 1 lb bot....	lb 40.00	42.00
Carvol, 5 lb bot	lb 8.75	9.75
Cassia, 80-85 p.e. 400 lb drs....	lb 2.00	2.10
Redistilled, USP, 50 lb cans....	lb 2.40	2.50
Cedar Leaf, 50 lb tins	lb .83	.88
Cedar Wood, light 1000 lb drs....	lb .65	.67
Celery, 1 lb bot	lb 8.75	9.50
Chaulmoogra, 80 lb cases....	lb .85	.90
Cinnamon, Ceylon, 1 lb bot....	lb 10.50	11.00
Leaf, 5 lb bot	lb 1.40	1.50
CITRONELLA, Ceylon		
1000 lb drums	lb .70	.77
50 lb tins	lb .75	.81
Java, 400 lb drums	lb 1.15	1.20
50 lb tins	lb 1.25	1.35
Cloves, USP, 50 lb cans....	lb 1.75	1.85
6 lb bot	lb 1.85	1.95
Copalba, USP, 25 lb tins....	lb .45	.50
Coriander, USP, 1 lb pot....	lb 9.75	10.00
Croton, USP, 25 lb tins	lb .95	1.00
Cubeba, USP, 5 lb bot	lb 4.50	4.75
Cumin, 1 lb bot	lb 11.00	11.50
Pili, 1 lb bot	lb 4.25	4.50
Eriogeran, 20 lb tins	lb 3.75	4.00
EUCALYPTUS, Austral. USP,		
56 lb cs	lb .57%	.60
500 lb drums	lb .55	.57
Fennel, USP, 25 lb tins	lb .95	1.10
Geranium, Algerian, 25 lb tins....	lb 6.50	7.25
Bourbon, 25 lb tins	lb 5.50	6.00
Turkish, 28 lb tins	lb 4.00	4.25
Ginger, 1 lb bot	lb 12.00	13.00
Hemlock, 50 lb cans	lb .82	.85
Gingergrass, 28 lb time	lb 3.00	3.25
Juniper Berries, USP, 25 lb tins....	lb 2.40	2.70
Wood, 50 lb time	lb .50	.60
Lavender, USP, 28 lb tins	lb 5.25	7.50
Spike, Spanish, 50 lb cans....	lb 1.10	1.75
LEMON, Ital. USP, 25 lb tins....	lb 1.15	1.35
Terpenes	lb 10.50	11.00
American, USP, 25 lb tins....	lb 1.05	1.10
Lemongrass, native, 50 lb cans....	lb 1.10	1.20
Limes, Express, 25 lb tins	lb 4.25	4.50
Distilled, 25 lb time	lb 1.65	1.75
Linaloe, Mex., 80 lb cases....	lb 4.00	4.25
Mace, distilled, 50 lb tins	lb 1.40	1.50
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot....	lb ...	14.00
Arif., USP, 5 lb bot....	lb 2.50	2.80
Neroli, Bigarade, ½ & 1 lb bot....	lb 40.00	60.00
Petale, 1 lb bot	lb 90.00	120.00
Artificial, 1 lb bot	lb 10.00	25.00

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Essential Oils

Nutmeg, USP, 25 lb tins.....	lb 1.40	: 1.50
Orange, bitter, 25 lb tins.....	lb 2.60	: 2.75
Sweet, W. Ind., 25 lb tins....	lb 2.70	: 2.80
Italian, 25 lb cop.....	lb 2.90	: 3.20
Terpenelos,	lb 60.00	: 64.00
American, 25 lb tins.....	lb 2.75	: 2.80
Distilled, 25 lb tins.....	lb 1.65	: 1.75
Spanish, 25 lb tins.....	lb 2.80	: 2.90
Origanum, 50 lb cans tech.....	lb .30	: .35
Parsley, 1 lb bot.....	lb 3.50	: 4.00
Patchouli, 5 lb bot.....	lb 4.50	: 5.50
Penroyal, dom., 25 lb tins....	lb 2.00	: 2.15
Imported, 25 lb tins.....	lb 1.65	: 1.70
PEPPERMINT, nat., 60 lb cases..	lb 14.00	: 14.50
Beds., USP, 60 lb cases....	lb 14.50	: 15.00
Petit Grain, S. A., 25 lb tins....	lb 2.10	: 2.20
French, 1 lb bot.....	lb 7.00	: 8.00
Italian, 25 lb tins.....	lb 2.25	: 2.35
Pimento, 25 lb tins.....	lb 3.00	: 3.25
Pinus Sylvestris, 25 lb tins....	lb ...	: 1.40
Pumilio, 25 lb tins.....	lb ...	: 2.25
Rose, Fr., 8, 16 & 32 oz. pkgs. or	oz .90	: 9.00
Bulg., 8, 16 & 32 oz. pkgs. or	oz 8.00	: 9.00
Artificial, 1 lb bot.....	lb 2.00	: 3.00
Rosemary, USP, 27 1/2 lb tins....	lb .46	: .48
1000 lb drums.....	lb .42	: .44
Tech., 27 1/2 lb tins.....	lb .35	: .38
Rue, 1 lb bot.....	lb ...	: 4.25
Sandalwood, E. Ind., USP, 76 lb cases	lb 7.25	: 7.50
W. Indian (Amyris) 25 lb tins.	lb 2.35	: 2.45
Sassafras, USP, 50 lb cans....	lb 1.10	: 1.20
Artificial, 1000 lb drs. 60 lb cans	lb .34	: .36
Savin, 5 lb tins.....	lb 2.25	: 2.40
Spearmint, USP, 60 lb cases....	lb 4.35	: 4.50
Spruce, 50 lb tins.....	lb .82	: .85
Tansy, Amer., 20 lb tins....	lb 3.25	: 3.35
Tar, 50 gal. drls.....	gal .25	: .26
Refined, USP 25 lb tins.....	lb ...	: ...
Thyme, red, USP, 25 lb tins....	lb .85	: 1.00
White, USP, 25 lb tins....	lb 1.00	: 1.10
Tech., 110 lb. drums.....	lb .36	: .38
Vetiver, Bourbon, 1 lb bot....	lb 12.00	: 14.00
Indian, 1 lb bot.....	lb 30.00	: 32.00
Java, 1 lb bot.....	lb 20.00	: 22.00
Wine, heavy, 1 lb bot.....	lb ...	: 1.50
WINTERGREEN		
Sweet bch., 25 lb tins.....	lb 2.50	: 3.00
Southern, 25 lb tins.....	lb 1.85	: 2.00
Gaultheria, true, 25 lb tins.....	lb 7.00	: 8.00
Southern, 25 lb tins.....	lb 3.75	: 4.00
Synthetic, true 50 lb cans.....	lb ...	: .47
Wormseed, Bals., USP, 25 lb tins.	lb 3.25	: 3.35
Wormwood, dom., 25 lb tins....	lb 4.00	: 4.50
Ylang Ylang, Bourbon, 10 lb tins	lb ...	
No. 1	lb 9.00	: 10.00
No. 2	lb 6.00	: 7.00
Mandarin, 1 lb bot.....	lb 28.00	: 40.00
Artificial, 1 lb bot.....	lb 10.00	: 12.00
OLEORESINS		
Aspidium, USP, 1 lb bot.....	lb 2.75	: 3.00
Caducum, USP, 1 lb bot.....	lb 2.50	: 2.75
Cubeb, USP, 1 lb bot.....	lb 4.00	: 4.50
Ginger, 5 lb bot.....	lb 3.75	: 4.50
Malefern, See Aspidium	lb ...	
Gris, 1 lb bot.....	lb 18.00	: 18.00
Pepper, Black, USP, 1 lb bot....	lb 3.50	: 4.00
Vanilla, 1 lb bot.....	lb 22.50	: 25.00

Aromatic Chemicals

NATURAL DERIVATIVES		
Anethol, 2 lb bot.....	lb 1.25	: 1.75
Borneol, 1 lb bot.....	lb ...	: 3.50
CITRAL, 25 lb cans.....	lb 3.00	: 3.50
Citronellal, 1 lb bot.....	lb 2.50	: 3.00
EUCALYPTOL, USP, 25 lb cans.	lb ...	: .90
Eugenol, USP, 25 lb cans.....	lb 3.25	: 3.50
Geraniol, Domestic, 50 lb cans..	lb 4.00	: 4.25
Imported, 5 lb bot.....	lb 4.50	: 5.00
Iso-Eugenol, 1 & bot.....	lb 4.00	: 4.50
Imported	lb 5.25	: 6.25
SYNTHETIC AROMATICS		
Acetophenone, CP, 1 lb bot....	lb 3.50	: 3.75
Aldehyde, C-8 (Octyl), 1 lb bot.	lb 45.00	: 60.00
C-9 (Nonyl), 1 lb bot.....	lb 70.00	: 75.00
C-10 (Decyl), 1 lb bot.....	lb 50.00	: 55.00
C-12 (Dodecyl), 1 lb bot.....	lb 27.50	: 32.50
C-14, 1 lb bot.....	lb 22.50	: 25.00
C-16, 1 lb bot.....	lb 70.00	: 80.00
Autobine, see Anisic Aldehyde	lb ...	
Amyl Acetate, pure 5 gal. cans gal	gal 4.00	: 4.25
Butyrate, 1 lb bot.....	lb 2.00	: 2.25
Cinnamal, 1 lb bot.....	lb 4.00	: 4.50
Formate, 1 lb bot.....	lb 1.75	: 2.00
Phenyl Acetate, 1 lb bot....	lb 4.50	: 5.00
SALICYLATE, dom. 100 lb	lb crys.	
Imported	lb 1.45	: 1.50
Valerate, 5 lb bot.....	lb 2.25	: 2.50
Anisic Aldehyde, 1 lb bot.....	lb 3.25	: 3.50
BENZALDEHYDE, USP, 40 lb cbs	lb 1.40	: 1.50
Benzole, See Ethyl Benzoate	lb 1.50	: 1.65
Benzophenone, 1 lb bot.....	lb 4.50	: 5.00
Benzyl Acetate, 100 lb cbs.....	lb 1.55	: 1.75
Alcohol, 5 lb bot.....	lb 1.45	: 1.55
BENZOATE, 5 lb. bot.....	lb 1.60	: 1.75
Medicinal FFC	lb 1.75	: 2.00
Butyrate, C.P., 1 lb bot.....	lb 6.00	: 6.50
Cinnamate, 1 lb bot.....	lb 10.00	: 10.50
Formate, 1 lb bot.....	lb 3.25	: 3.50

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Benzyl Propionate, 1 lb bot....	lb	5.00	:	5.25
Bornyl Acetate, 1 lb bot....	lb	3.75	:	4.00
Bromostyrol, 25 lb cans.....	lb	3.50	:	4.00
Butyl Anthranilate, 1 lb bot. dom. b.	lb	...	:	16.00
Butyric Ether, See Ethyl Butyrate				
Cinnamic Acid, 5 lb cans.....	lb	3.25	:	3.50
Alcohol, Liquid 1 lb bot....	lb	9.00	:	9.50
Crystallizable	lb	9.50	:	10.00
Aldehyde	lb	3.50	:	3.75
CITRONELLOL, 1 lb bot....	lb	9.00	:	11.00
Imported, 1 lb bot....	lb	10.00	:	12.00
Citronellyl Acetate, 1 lb bot....	lb	13.00	:	14.00
COUMARIN, 25 lb cans.....	lb	3.25	:	3.45
OETHYL PHTHALATE, 25 lb cans.....	lb	.38	:	.43
1000 drs.....	lb	.33	:	.38
Diphenoxydize, 25 lb tins.....	lb	.85	:	.90
Ethyl Acetate, pure, 5 lb bot....	lb	.45	:	.50
Benzene, 5 lb cans.....	lb	1.85	:	2.00
Butyrate, 5 lb bot....	lb	2.25	:	2.50
Caproate, 1 lb bot....	lb	3.25	:	3.50
Cinnamate, 1 lb bot....	lb	3.50	:	3.75
Formate, 5 lb bot....	lb	1.25	:	1.50
Ethyl-methyl Paracresol, 1 lb bot....	lb	3.25	:	3.50
Butyl Phenylacetate, 5 lb bot....	lb	3.75	:	4.00
Propionate, 1 lb bot....	lb	2.25	:	2.50
Valerate, 5 lb bot....	lb	4.50	:	4.75
Salicylate, 5 lb bot....	lb	3.25	:	3.50
Formic Ether. See Ethyl Formate				
Geranyl Acetate, 1 lb bot....	lb	5.00	:	5.50
Butyrate, 1 lb bot....	lb	13.00	:	13.50
Formate, 1 lb bot....	lb	12.00	:	12.50
Heliostropin, dom., 100-10 lbs. b.	lb	1.85	:	2.00
Imported	lb	2.25	:	2.50
Hydroxycitronellal, 1 lb bot....	lb	12.00	:	14.00
Indol, CF, 1 oz. bot.....	oz	6.00	:	6.50
Isonone, 1 lb bot. 100%.....	lb	10.00	:	11.00
Alpha	lb	14.50	:	16.00
Beta	lb	12.75	:	14.50
Methyl	lb	16.00	:	18.00
Eto-Butyl Benzoate, 5 lb bot....	lb	4.75	:	5.00
Iso-Benzoate, 1 lb bot. imported...	lb	5.00	:	5.25
Domestic, 5 lb bot.....	lb	4.00	:	4.25
Linalyl Acetate, 1 lb bot. Dom.	lb	8.00	:	9.50
Imp. 1 lb bot.....	lb	8.00	:	8.50
Benzoate, 1 lb bot.....	lb	13.00	:	14.00
Formate, 5 lb bot.....	lb	10.50	:	12.00
Methyl Acetophenone	lb	3.25	:	3.50
ANTHRAHENILATE dom., 1 lb bot. b.	lb	2.50	:	3.00
1 lb bot.....	lb	2.50	:	3.00
Imported	lb	3.00	:	3.25
Benzene, 5 lb bot. import.	lb	2.00	:	2.25
Domestic, 5 lb bot.....	lb	1.75	:	2.00
Cinnamate, 1 lb bot.....	lb	3.50	:	3.75
Heptenone, 1 lb bot.....	lb	8.00	:	8.25
Paracresol, 1 lb bot.....	lb	8.00	:	9.00
Phenylacetate, 5 lb bot. dom.	lb	3.75	:	4.00
SALICYLVATE, USP 500 lb				
drums	lb	...	:	.45
50 lb cases	lb	...	:	.47
Second Hands	lb	.44	:	.45
Mirbane, rect., 1000 lb drums.....	lb	.12	:	.14
Musk Ambrette, 1 lb cans.....	lb	10.50	:	11.00
Ketone, 1 lb cans	lb	11.50	:	12.00
Xylene, 5 lb cans	lb	3.25	:	3.50
Kerolin, 1 lb cans	lb	1.65	:	1.80
Oenanthie Ether, 1 lb bot.	lb	2.25	:	2.50
Para-Cymene, Refd., 110 gal drsgal	lb	2.25	:	2.50
Phenylacetaldehyde, Dom.,				
1 lb bot. 50 p.c.	lb	8.00	:	8.50
Imported, 50 p.c.	lb	7.00	:	7.50
80-85 p.c.	lb	14.00	:	16.00
Phenylacetic Acid, 1 lb box.....	lb	2.00	:	2.25
Phenyl Diacetate, 1oz. bot.....	oz	3.25	:	3.50
1 lb bot.....	lb	8.00	:	10.00
Imported	lb	7.00	:	7.75
Phenylethyl Butyrate, 1 lb bot....	lb	26.00	:	28.00
Formate, 1 lb bot....	lb	19.00	:	21.00
Propionate, 1 lb bot....	lb	20.00	:	24.00
Valerate, 1 lb bot....	lb	25.00	:	29.00
Skatol, 1 oz. bot.	oz	15.00	:	16.00
Skatol, 1 oz.	oz	7.00	:	7.25
Iso-Benzoate, 1 lb bot. imported...	lb	5.00	:	5.25
Imported, 25 lb cans	lb	4.00	:	4.25
TERPENEOL, CP, 1000 lb drs.	lb	3.00	:	3.20
Cans, 50 lb	lb	...	:	.40
Absolute, 25 lb cans	lb	...	:	.70
Imported, 25 lb cans	lb	...	:	.46
VANILLIN, USP, 500 oz. cans.....	oz	...	:	.49
Cans, 16 oz., 30 oz.	oz	...	:	.51
Second Hands	oz	...	:	.47
Valerianic Ether, See Ethyl Valerate				
Yara, Yara, 1 lb cans	lb	1.65	:	1.80
PERFUMERS' SUNDRIES				
Almond Meal, 25 lb cans	lb	.24	:	.26
Amber, Liquid, 400 lb drs.	lb	2.20	:	2.30
Ambergris, black, bxs.	bxs	8.00	:	10.00
Ambergris, gray, bxs.	bxs	...	:	26.00
Balsam Copalis, Para, 80 lb cases b.	b	.52	:	.55
South American, 80 lb cases b.	b	.55	:	.60
Peru, 120 lb cases	b	1.90	:	2.00
Tolu, 90 lb cases	b	1.50	:	1.60
Benzoin Gum, Siam, hrs.	b	1.20	:	1.35
Castoreum, 1 lb bot.	b	4.00	:	4.50
Chalk, precip. light, 175 lb bbls. b.	b	.04	:	.05
Cherry Laurel Water, 5 gal cans. gal	gal	1.15	:	1.25
Civet Abyssin, horns	oz	2.75	:	3.75
Labdanum, 5 lb bot.	b	...	:	8.00
Lanolin hydrom, 350 lb bbls. b.	b	.15	:	.21
Anhydrous, 350 lb bbls. b.	b	.18	:	.23
Musk pods, Cabardine, tins	oz	16.00	:	17.00
Tonquin, tins	oz	22.00	:	25.00
Grains, Cabardine, tins	oz	25.00	:	26.00
Tonquin tins	oz	35.00	:	38.00
synthetic. See Aromatic Chemicals				
Gris St. Flor, powd. bbls.	b	.11	:	.12
Verona, powd. bbls.	b	.09	:	.10
Petroleum, snow white 350 lb bbls. b.	b	.12	:	.13
Light Amber, 350 lb bbls. b.	b	.04	:	.05
Rice Starch, 140 lb bgs.	b	.09	:	.10
Rose Water, 6-2-3 gal chys.	gal	1.00	:	1.25
Sandalwood chips, powd., bags. b.	b	.30	:	.35
Saponin, 5 lb tins	b	1.25	:	1.50
Talc, Italian, 220 lb bgs.	b	60.00	:	80.00
French, 220 lb bags	b	ten 40.00	:	45.00
Domestic, ref., 100 lb bags. ton	ton	14.00	:	15.00

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- FLUORSPAR**—100 bgs., Roessler & Hasslacher Chem. Co., Hamburg
- FULLERS EARTH**—50 bgs., Gallagher & Ascher, London; 250 bgs., L. A. Salomon & Co., London; 250 bgs., L. A. Salomon & Co., Bristol
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- GLUE**—100 bgs., Order, London; 1 brl., 2 kgs., H. A. Sinclair, Rotterdam; 20 sks., L. Luxardo & Co., Valparaiso; 40 bgs., W. E. Miller, Havre; 140 brls., British Bank of So. America, Antwerp; 130 cbs., W. E. Miller, Antwerp; 117 brls., Equit. Trust Co., Hamburg; Bone, 260 bgs., J. Dick, Trieste
- GUMS**—215 bgs., W. Wrigley Jr. Co., Porto Colombia; 50 cbs., Brown Bros. & Co., Singapore; Arabic, 50 bgs., Order, Rotterdam; Chicle, 400 bgs., Chicle Development Co., Vera Cruz; Copal, 21 bgs., Chem. Nat. Bk., London; 276 bgs., Equit. Trust Co., Antwerp; 340 bgs., Universal Trdg. Co., Antwerp; 382 bgs., Chem. Nat. Bk., Antwerp; 442 cbs., Order, Antwerp; 100 cbs., Brown Bros. & Co., Singapore; 100 bgs., Order, Shanghai; 510 bgs., Baring Bros. & Co., Shanghai; 150 cbs., Baring Bros. & Co., Singapore; Mastic, 15 cbs., B. Stamoulis, Piraeus; 7 cbs., D. Contalles, Piraeus; 25 cbs., Order, Piraeus; Sandarac, 30 bgs., G. Willis & Sons, Casablanca; Tragacanth, 20 cbs., Order, Bremen; 15 cbs., Order, Southampton
- HELIOTROPIN**—1 cse., P. R. Dreyer, Rotterdam
- HERBS**—3 bgs., S. B. Penick & Co., Hamburg; 21 bgs., Nickells Rowland Co., Ham-
- burg; Horehound, 24 brls., S. B. Penick & Co., Hamburg
- HEXAMETHYLENE**—22 drs., Grasselli Dyestuff Corp., Hamburg
- HOPS**—10 brls., J. Sonnenschein Hop Co., Antwerp; 5 brls., Globe Shpg. Co., Bremen; 20 brls., G. W. Sheldon & Co., Bremen; 20 cbs., J. Sonnenschein Hop Co., Hamburg
- HYDROGEN PEROXIDE**—70 cbs., Jungmann & Co., Hamburg
- INSECT POWDER**—2 cbs., Schoemann & Mayer, Hamburg
- INSECTICIDE**—6 cbs., Maltus & Ware, London
- IRON CHLORIDE**—55 cks., Order, Hamburg
- IRON OXIDE**—18 cbs., Order, Manchester; 10 cks., Reichard Coulston Inc., Liverpool; 22 cks., Order, Liverpool; 200 brls., C. J. Osborn & Co., Malaga; 70 brls., E. M. & F. Waldo, Malaga; 140 brls., J. L. Smith & Co., Malaga; 80 brls., C. K. Williams Co., Malaga; 145 brls., Order, Malaga; 15 cks., Bank of America, Bristol
- JUICE**—Lime, 24 cbs., Colonial Bank, St. Lucia; 27 cbs., Park Benziger & Co., St. Lucia; 3 cbs., R. Desvergne Co., Martinique; 97 cbs., 6 brls., Perry Ryer & Co., Dominica; 3 pgs., Gillespie & Co., Dominica; 10 cbs., Gillespie & Co., Antigua; 250 cbs., 30 puns, J. P. Smith & Co., London; 125 cbs., Colonial Bank, Grenada; 4 cbs., Middleton & Co., Dominica; 100 cbs., Colonial Bank, Dominica; 2 cbs., Planters Produce Co., Dominica; Paw Paw, 25 pgs., Carter Cummings & Co., Colombo
- KAMALA**—1 cse., S. B. Penick Co., Hamburg; 1 cse., Peek & Velsor, Hamburg
- KAOLIN**—12 bgs., Schenkens Inc., Hamburg
- LAMP BLACK**—25 cbs., K. Geiger Inc., Antwerp
- LEAVES**—Belladonna, 26 brls., Order, Hamburg; Buchu, 7 bgs., Nat. Bk. of So. Amer., Capetown; 21 bgs., Chem. Nat. Bk., Capetown; Henna, 249 bgs., Order, Genoa; Laurel, 2 bgs., Order, Tangier; Senna, 27 bgs., Order, Colombo
- LICORICE**—Cuttings, ① bgs., McLaughlin Gormley & King, Marseilles; Paste, 250 bxs., H. Utard, Tarragona; 260 cbs., H. Utard, Smyrna; 40 cbs., J. Rico, Seville; 4 cbs., Neal & Binford, Seville
- LITHOPONE**—20 cbs., P. Uhlich & Co., Rotterdam; 75 cbs., E. M. Waldo & Co., Antwerp
- MANGANESE**—Calcinated, 100 brls., 250 bgs., Innis Speiden Co., Rotterdam; 250 bgs., Schmalz Dairy Farms, Antwerp
- MAGNESIUM**—3 bgs., Magnesia Cement Co., Piraeus; Chloride, 364 drs., 83 brls., Order, Hamburg; 368 drs., Innis Speiden & Co., Hamburg; Oxide, 20 cbs., Order, Hamburg
- MASTIC**—111 drs., Farnon Childs & Co., Antwerp
- MENTHOL**—10 cbs., Peltzer Co., Havre
- MERCURY**—10 flasks, Order, Vera Cruz
- MERCURY OXIDE**—10 cbs., Lo Curto & Funk, London
- META CRESOL**—6 drs., Order, Liverpool
- NICKEL SULFATE**—25 kegs., Gallagher & Achter, Havre
- NUX VOMICA**—1,000 pkts., Order, Calcutta
- OCHRE**—300 cbs., J. L. Smith & Co., Marseilles; 86 cbs., Reichard Coulston Inc., Marseilles; 186 cbs., Amer. Erch. Nat. Bk., Marseilles; 50 cbs., L. H. Butcher & Co., Marseilles; 96 cbs., F. R. Vandegrift & Co., Marseilles; 128 cbs., Order, Marseilles; 21 brls., F. B. Vandegrift & Co., Palermo
- OTT'S COCONUT**—778 tons, MacLeod & Co., Manila; Cod, 300 cbs., Kidder Peabody & Co., St. Johns; 45 cbs., R. Badenoch & Co., St. Johns; 600 brls., Scott & Bowens, Bergen, Codliver, 300 brls., F. R. Vandegrift & Co., Bergen; 15 brls., Ozomulsion Co., Bergen; 100 brls., Eli Hills & Co., Bergen; 50 brls., Burroughs Wellcome Co., Bergen; 370 brls., Order, Bergen; Croton, 2 cbs., Order, Hamburg; Linseed, 150 brls., Fontana Bone, Rotterdam; 200 brls., 130 drs., Order, Rotterdam; Olive Oil, 120 cbs., F. N. Giavi, Genoa; 755 cbs., Order, Genoa; 100 bgs., East River Nat. Bank, Trieste; 200 brls., Equit. Trust Co., Alexia; 200 cbs., Sofafani Bros., Genoa; 250 cbs., Economia Theodos, Genoa; 100 cbs., Trizco Co., Genoa; 250 cbs., F. H. Leggett & Co., Leshorn; 122 brls., A. Tratco, Piraeus; Sulfur Olive, 600 brls., Order, Piraeus; 100 brls., Webster Atlas Co., Catania; Olive Oil Foots, 100 brls., F. M. Sergeant & Co., Catania; 50 brls., A. Trotico, Piraeus; 50 brls., Order, Piraeus; 200 brls., E. M. Sergeant & Co., Catania; Palm, 15 cbs., Order, Liverpool; 271 cbs., African & Eastern Trading Co., Lagos; 270 cbs., Niger Co., Cotonou; 50 puns, Irving Bank, Lome; 265 cbs., Irving Bank, Burutu; 194 cbs., Core & Herbert, Liverpool; 42 cbs., Order, Liverpool; 59 cbs., African & Eastern Trdg. Co., Hamburg; Kernel, 300 brls., Order, Liverpool; 793 tons, 10 cwt., Order, Hull; 70 drs., Order, Liverpool; Sesame, 200 brls., J. C. Francesconi & Co., Rotterdam; 10 brls., Smith Wyman Oil Co., Rotterdam; 100 brls., Order, Hamburg; Sulphur, 600 brls., Order, Piraeus; 100 brls., Webster Atlas Co., Catania; Wood, 45 drs., Williams Commission Co., Shanghai; 143 cbs., G. W. S. Patterson, Shanghai
- OILS, ESSENTIAL**—5 cbs., P. Dreyer, Grasse; 8 cbs., Polaks Frutal Works, Rotterdam; 7 drs., Chem. Nat. Bk., London; 2 cbs., Ungerer & Co., London; 5 cbs., Heine & Co., Bremen; 3 cbs., G. & H. Transport Co., Hamburg; 7 cbs., Moran Inc., Havre; 1 cse., W. Labasthine, Hamburg; Almond, 25 cbs., Ungerer & Co., London; Aniseed, 5 drs., Ungerer & Co., Hongkong; Bay, 1 cse., R. Moellhausen, St. Lucia; 3 cbs., Lehn & Fink, St. Thomas; Benzylacetate, 5 cbs., P. R. Dreyer, Rotterdam; Bergamot, 25 bxs., Palermo; Citronella, 4 drs., Irving Bank, Colombo; 10 drs., Order, Colombo; Geranium, 3 cbs., W. Walsh & Co., Marseilles; Lemon, 150 cbs., Kidder Peabody, Palermo; 200 bgs., Order, Palermo; Lime, 9 cbs., Colonial Bank, Kingstown; 1 cse., Van Dyk & Lindsay, St. Lucia; 2 cbs., Park Benziger & Co., St. Lucia; 2 cbs., R. Desvergne Co., Martinique; 1 cse., Gillespie & Co., Dominica; Linaloe, 3 drs., Order, Vera Cruz; Orange, 28 cbs., Colonial Bank, Kingston; 4 bxs., Order, Palermo; Pine Needle, 12 cbs., Order, Hamburg; Poppy, 24 cbs., J. A. McNulty, Havre; Rosewood, 1 drum, Middleton & Co., Cayenne; 2 drs., French Amer. Banking Corp., Cayenne
- PIQUIN**—25 cbs., Order, Constantinople
- OZOKERIT**—42 bgs., J. Dick, Hamburg
- POTASSIUM SALTS**—30 cbs., Innis Speiden Co., Rotterdam; 98 cbs., A. Klipstein & Co., Hamburg; Alum, 450 cbs., A. Klipstein & Co., Hamburg; 167 cbs., Seaboard Nat. Bk., Hamburg; 300 brls., Order, Hamburg; Carbonate, 72 cbs., Parsons & Petit, Hamburg; Caustic, 97 drs., Superfos Co., Hamburg; 417 drs., A. Klipstein & Co., Hamburg; 97 drs., Superfos Co., Hamburg; 45 drs., Superfos Co., Hamburg; 86 drs., A. Klipstein & Co., Hamburg; Chlorate, 467 kegs, Order, Hamburg; 2,400 brls., Irving Bank, Hamburg; 100 cbs., Order, Antwerp; 140 brls., Brown Bros. & Co., Hamburg; 2,100 brls., Seaboard Nat. Bk., Hamburg; 200 brls., 400 kgas., Order, Hamburg; Muricate, 2,000 bgs., Potash Impg. Corp. of America, Hamburg; Nitrate, 450 bgs., Order, Rotterdam; 99 cbs., Kuttroff Pickhardt Co., Hamburg; Perchlorate, 100 cbs., Meteor Products Co., Antwerp; 100 cbs., Prussiate, 17 cbs., Order, Manchester; 37 brls., Meteor Products Co., Hamburg; 19 cbs., Order, Hamburg; Sulfate, 65 bgs., Potash Impg. Corp., Hamburg; Sulfite, 4 cbs., Mager Sonderburg Co., London
- PHOSPHORUS**—Sesquisulfide, 30 cbs., Uniform Chem. Products Co., Manchester
- PLUMBAGO**—657 bgs., H. P. Winter & Co., Colombo; 150 brls., Order, Colombo
- PYRIDINE**—11 drs., Order, Hamburg
- QUICKSILVER**—15 flasks, Haas Bros., Tam-pico; 300 flasks, Leghorn Trdg. Co., Leg-horn
- QUININE**—53 cbs., R. W. Greeff & Co., Rotterdam; 3 cbs., Order, Rotterdam
- QUININE**—Bisulfate, 5 cbs., Hanover Nat. Bank, Genoa
- ROCHELLE SALTS**—33 cbs., W. Neuburg, Rotterdam
- ROOTS**—2 bgs., J. L. Hopkins & Co., Hamburg; 38 bgs., G. Bradshaw, Marseilles; 15 cbs., C. Champion, Marseilles; 13 bls., S. B. Penick & Co., Hamburg; 9 bls., 13 bgs., S. B. Penick & Co., Hamburg; Arrow, 20 cbs., J. P. Smith & Co., London; 4 brls., Raymond Hadley Co., Trinidad; Broom, 135 bgs., Order, Vera Cruz; Canagria, 43

bgs., Order, Vera Cruz; Gentian, 58 bgs., S. B. Penick & Co., Marseilles; Hellebore, 17 bgs., S. B. Penick & Co., Hamburg; Ipecac, 2 bgs., Bank of London & South America, Bahia; 5 bgs., Amsinck Sonne & Co., Bahia; Licorice, 112 bxs., H. Utard, Tarragona; 110 bgs., Order, Constantinople; Musk, 41 bgs., Order, London; Sarsaparilla, 9 bgs., J. Garza & Bro., Tampico; 10 bgs., Otto Gerdan Co., Cristobal; Valerian, 10 bgs., Bank of America, Antwerp

SAFFRON—1 cse., Brown Bros. & Co., Palermo; 1 cse., Wurn Bros., Palermo; 1 cse., M. Caragol & Son, Barcelona; **SALT**—672 bgs., W. A. Hazard Co., Liverpool; 280 bgs., W. A. Hazard Co., Liverpool; Hartshorn, 20 kegs, J. Munroe & Co., Hamburg; 10 cks., Jungmann & Co., Hamburg

SAPOLIN—11 bgs., S. B. Penick & Co., Hamburg; Anise, 200 bgs., Order, Malaga; Anatto, 100 bgs., Wells & Richardson, Kingston; 123 bgs., J. E. Kerr & Co., Kingston; 50 bgs., Colonial Bank, Kingston; 50 bgs., Wells & Richardson, Kingston; Canary, 205 bgs., J. Chana, Casablanca; 407 bgs., G. W. Sheldon, Buenos Aires; Caraway, 300 bgs., Order, Rotterdam; Cardamom, 6 cs., Lo Curto & Funk, London; 17 pgs., Fidelity Intern. Trust Co., Colombo; 3 cs., Order, London; Castor, 1,003 bgs., Seaboard Nat. Bank, Pernambuco; 8,464 bgs., N. Y. Trust Co., Pernambuco; 119 bgs., Huttlinger & Struller, Port de Paix; 155 bgs., W. & A. Lehman Co., Port de Paix; 54 bgs., J. L. Hachtmans & Co., Port de Paix; Coriander, 2 bgs., Copex Co., Rotterdam; 300 bgs., Order, Casablanca; Fennel, 32 sks., Peck & Velsor, Marseilles; 20 bgs., Nickells Rowland Co., Hamburg; Fenugreek, 210 bgs., J. Chana, Casablanca; Flax, 33,355 bgs., Spenger Kellogg & Sons, Buenos Aires; 5,416 bgs., Heidelberg Icelheimer Co., Buenos Aires; 18,102 bgs., L. Dreyfus & Co., Buenos Aires; Poppy, 500 bgs., Catz Amer. Co., Rotterdam; 200 bgs., Bank of America, Rotterdam; 100 bgs., A. Joessens Co., Rotterdam; 100 bgs., C. E. Armstrong Co., Rotterdam; 100 bgs., Liverato Kiddie Co., Rotterdam; 100 bgs., Levy & Lewis Co., Rotterdam; 100 bgs., E. Miltenberg Inc., Rotterdam; 512 bgs., Order, Rotterdam; Rape, 150 bgs., 150 brls., G. W. Sheldon & Co., Rotterdam; Sesame, 600 bgs., I. Bodo & Co., Shanghai

SELLAC—30 bgs., Doherr Grimm & Co., London; 53 cs., C. F. Gerlach, Rotterdam; 150 bgs., Brown Bros. & Co., Calcutta; 200 bgs., Standard Bank of So. Africa, Calcutta; 120 bgs., Lee Higgins & Co., Calcutta; 500 bgs., Goldman Sachs & Co., Calcutta; 100 bgs., Bank of N. Y. & Trust Co., Calcutta; 740 bgs., 25 chests, Order, Calcutta; 147 bgs., 53 cs., Ralli Bros., London; 100 bgs., Doherr Grimm & Co., London; 100 bgs., Ralli Bros., Hamburg; 260 bgs., A. Helmbrat Inc., Hamburg; 2 cs., Order, Hamburg; Garnet, 150 cs., Order, London; 50 bgs., Order, Calcutta; Sticklac, 400 cs., Order, Singapore; 112 bgs., Standard Bank of So. Africa, Singapore

SOAP—332 cs., Bank of Orient, Piraeus

SODIUM SALTS—Acetate, 36 cks., Roessler & Hasslacher Chem. Co., Antwerp; 30 cks., Mech. & Metals Nat. Bank, Havre; Bisulfite, 30 drs., F. Rudloff, Hamburg; Cyanide, 424 drs., Order, Liverpool; Fluoride, 100 cks., Jungmann & Co., Hamburg; Fluorosilicate, 90 brls., H. Sundheimer, Rotterdam; Hydrosulfite, 100 cks., Seaboard Nat. Bk., Hamburg; Hyposulfite, 255 cks., E. M. Sergeant & Co., Marseilles; Nitrate, 14,788 bgs., W. R. Grace & Co., Iquique; 302 cks., Kuttroff Pickhardt Co., Hamburg; 1,002 bgs., Order, Hamburg; 3,336 bgs., Order, Brevik; Nitrate, 87 cks., Order, Brevik; 400 cks., Kuttroff Pickhardt Co., Hamburg; Perborate, 500 cks., Innis Speiden & Co., Rotterdam; Prussiate, 14 cks., Order, Rotterdam; Silicious Flor, 2 cks., Jungmann & Co., Hamburg; Sulfite, 100 cks., E. Suter & Co., Antwerp; Sulfite, 160 drs., C. S. Grant & Co., Hamburg

SUMAC—152 bgs., Irving Bank, Palermo; **TAPIOCA**—287 bgs., Stein Hall & Co., Savio; Flour, 1,757 bgs., Bank of N. Y. & Trust Co., Batavia; 505 bgs., Goldman Sachs Company, Batavia; 252 bags, Nat.

Gum & Mica Co., Batavia; 2,983 bgs., Stein Hall & Co., Batavia; 1,500 bgs., Phila. Nat. Bk., Batavia; 500 bgs., Brown Bros. & Co., Batavia; 1,687 bgs., Equit. Trust Co., Batavia; 1,687 bgs., Equit. Trust Co., Batavia; 510 bgs., Kone Mig. Co., Batavia; 252 bgs., Kidder Peabody Acceptance Corp., Batavia; 325 bgs., V. G. Bloede, Sourabaya; 505 bgs., Chat & Phoenix Nat. Bk., Batavia

TARTAR—393 sks., C. Pfizer & Co., Marcellus; 377 sks., Tartar Chem. Wks., Marcellus; 405 bgs., Tartar Chem. Wks., Palermo; 218 bgs., Tartar Chem. Wks., Tarragona; 258 sks., E. J. Kehoe, Marseilles

TEA FLUFE—Sweepings, 644 bgs., G. W. Sheldon & Co., London

TETRACHLORETHANE—160 drs., Roessler & Hasslacher Chem. Co., Hamburg

TEA WASTE—458 bgs., G. W. Sheldon & Co., Colombo; 2,499 bgs., W. Schall & Co., Calcutta

UMBER—71 cks., L. H. Butcher & Co., Manchester

ULTRAMARINE BLUE—1 ck., Fuchs & Lang Mfg. Co., Antwerp; 2 cks., E. Calman & Co., Antwerp

UREA—224 bgs., Kuttroff Pickhardt Co., Rotterdam

VALONIA—5,035 bgs., J. A. Barkey & Co., Constantinople; 1,470 bgs., A. Benedava, Constantinople; 3,876 bgs., Order, Constantinople; 19,601 bgs., Order, Chanak

VANILLA BEANS—7 cs., W. J. Bush & Co., Southampton; 2 cs., Middleton & Co., Martinique; 4 cs., Middleton & Co., Dominica; 137 cs., Royal Bank of Canada, Guadeloupe; 112 cs., R. Moellhausen, Guadeloupe; 13 cs., D. A. Lashelle, Guadeloupe; 3 cs., W. J. Bush & Co., London; 4 cs., Order, Rotterdam; 5 pgs. Order, Colombo; 54 cs., J. N. Limbert, Marseilles; 116 cs., Order, Marseilles

VERDIGRIS—10 oks., A. Klipstein & Co., Marseilles

VERMOL—443 bgs., Order, London

WAX—34 bgs., Nat. Bk. of Commerce, Alexandria; Animal, 50 cs., Order, London; Bees, 92 bgs., Brown Bros. & Co., Calcutta; 9 bgs., Order, Leghorn; 38 bgs., First Nat. Bk. Boston, Constantinople; 31 bgs., Order, Constantinople; 40 cs., Orbis Products Trdg. Co., Havre; 117 bgs., Order, Havana; 45 bgs., Order, Hamburg; Carnauba, 56 bgs., Bk. of So. Amer., Bahia; 83 bgs., Amsinck Sonne & Co., Bahia; 12 bgs., S. C. Assemay, Bahia; 257 bgs., Lazar Freres, Ceara; 411 bgs., Order, Ceara; 76 bgs., Elbert & Co., Pernambuco; Montan, 1,125 bgs., Strohmeyer & Arpe Co., Hamburg; Paraffin, 160 bgs., Asiatic Petroleum Co., London

WINE LEES—2 brls., I. Loukipoulo, Piraeus

WOODFLOUR—620 bgs., Corn Exch. Bank, Stavanger

WOOL GREASE—50 brls., Order, Antwerp

WORMWOOD—4 bgs., Peck & Velsor, Hamburg

ZINC—Carbonate, 37 cks., C. Hardy Inc., Rotterdam; Dust, 116 cks., Order, Hamburg; Oxide, 250 brls., Order, Marseilles; White, 100 brls., Order, Havre

IMPORTS AT PHILADELPHIA

March 18 to 25

ACID—Cresylic, 20 drs., Order, Glasgow

ALCOHOL—Methyl, 180 cks., Order, Rotterdam

AMMONIUM MURIATE—504 cks., Order, Rotterdam

BARIUM CHLORIDE—60 cks., Int. Accep. Bank, Rotterdam

CHEMICALS—80 balloons, 15 cks., R. & H. Chem. Co., Rotterdam; 16 cks., Order, Rotterdam; 10 cs., P.-W.R. Co., Hamburg; 20 cks., Order, Rotterdam

CLAY—China, 2,560 tons, 18 cwt., Moore & Munger, Fowey

EXTRACTS—Logwood, 2,100 tons, Am. Dye-wood Co., Black River

FLUOSILICATE—300,000 kilos, Winter, Wolf & Co., Bremen

GLYCERIN—60 pkgs., Order, St. Nazaire; 40 drs., Order, Bordeaux

GUM—Copal, 60 bgs., John H. Faunce, Liverpool

HYDROGEN PEROXIDE—35 chys., Clegg Chem. Co., London

IPON OXIDE—7 cks., F. B. Vandegrift & Co., Liverpool

LIME—Chlorinated, 25 cs., Order, Liverpool

MOLASSES—73,447 bskts., First Nat. Bank, Sourabaya; 18,675 bskts., First Nat. Bank, Tjilatjap; 1,400,000 gals., North Am. Trdg. & Imp. Co., Havana

OIL—Palm, 39 cks., Order, Liverpool; Sulfur Olive, 100 bbls., Order, Messina

POTASH—2,000 bgs., Potash Imp. Corp., Bremen; Kalinit, 1,000 bgs., Potash Imp. Corp., Bremen; Muriate, 2,200 bgs., Potash Imp. Corp., Bremen; Nitrogenous Material, 1,000 bgs., Liverpool

SEED—Caraway, 275 bgs., Order, Rotterdam

SODIUM—Nitrate, 50 cks., Order, Rotterdam

TEA—FLUFFE Sweepings, 644 bgs., G. W. Sheldon & Co., London

TETRACHLORETHANE—160 drs., Roessler & Hasslacher Chem. Co., Hamburg

TEA WASTE—458 bgs., G. W. Sheldon & Co., Colombo

UMBER—71 cks., L. H. Butcher & Co., Manchester

ULTRAMARINE BLUE—1 ck., Fuchs & Lang Mfg. Co., Antwerp; 2 cks., E. Calman & Co., Antwerp

UREA—224 bgs., Kuttroff Pickhardt Co., Rotterdam

VANILLA BEANS—7 cs., W. J. Bush & Co., Southampton

VANILLA BEANS—Ground, 140 bags, Order, Palermo; Leaf, 100 bgs., Order, Palermo

VANILLA BEANS—8 cs., Order, Bordeaux

IMPORTS AT BALTIMORE

March 17 to 26

BARIUM CARBONATE—250 kegs, Metals Nat. Bank, Hamburg

CHALK—Precipitated, 150 bgs., H. J. Baker & Bro., Liverpool; Unground, 42 bbls., F. H. Shallus Co., Leghorn

CLAY—38 cks., Nitro Manufacturing Co., Rotterdam

DRUGS—6 bgs., Muth Bros. & Co., Hamburg

FLUORSPAR—141 tons, F. H. Shallus, Middleborough

HAARLEM OIL—25 cases, Wm. H. Masson, Rotterdam

MACE—18 cases, McCormick & Co., Rotterdam

MOLASSES—1,200,000 gals., Cuba Distilling Co., Nuevitas

NUTMEGS—82 cases, McCormick & Co., Rotterdam; 81 cases, Wm. H. Masson, Rotterdam

OIL—Sesame, 219 drs., John S. Connor, Rotterdam; Soda, 84 cases, 40,097 lbs., Order, Liverpool

PITCH—105 bbls., Wm. H. Masson, Rotterdam

POTASH—5 cks., Order; 4,100 lbs., Order, Hamburg; Kainit, 1,166,154 lbs., French Potash Syndicate, Antwerp; Manure Salt, 301,304 lbs., F. H. Shallus Co., Hamburg; 569,754 lbs., F. H. Shallus Co., Antwerp; 200 tons, Potash Imp. Corp., Hamburg; Murate, 2,500 bags, 250 tons, Potash Imp. Corp., Hamburg; 398,944 lbs., F. H. Shallus Co., Antwerp; 1,500 bags, 301,422 lbs., F. H. Shallus Co., Hamburg; Sulfate, 1,000 bags, 100 tons, Potash Imp. Corp., Hamburg; 5,000 bags, 500 tons, F. H. Shallus Co., Hamburg; 2,873,537 lbs., F. H. Shallus Co., Hamburg; 1,500 bags, 301,422 lbs., F. H. Shallus Co., Hamburg

SALT—PETRE—3,048 bgs., B. & O. Railroad, Baltimore

SEED—Mace, 18 cs., McCormick & Co., Rotterdam; Mustard, 478 bgs., McCormick & Co., Liverpool; 150 bgs., McComick & Co., Rotterdam

STEARINE—100 bbls., Wm. H. Masson, Liverpool

IMPORTS AT BOSTON

March 21 to 28

ACID—Formic, 80 chys., F. Rudloff, Hamburg

BUTTONLAC—49 chests, Order, Calcutta

CHALK—200 bgs., Nat. City Bk., Hamburg;

1,200 tons, Order, London

COLOR—Earth, 16 cks., L. H. Butcher, Bremen; Aniline, 12 cks., Dyestuffs Corp. of Am., Manchester

DRUGS—3 cases, Cavendish Co., London; 12 cases, Order, London

DEXTRINE—30 bgs., Borden Remington, Manchester

EXTRACT—Quebracho 1,000 bgs., Int. Prod. Co., Buenos Aires; Gambier, 408 bgs., Order, Singapore

GARNETLAC—400 bgs., Brown Bros. & Co., Calcutta

GLAUBER'S SALTS—1,250 bgs., Brewer & Co., Hamburg

GLUE—400 bgs., Nashua Gummed & Coated Paper Co., Liverpool

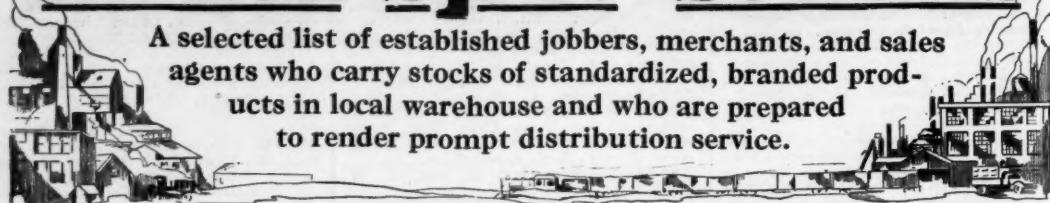
Marine, 124 cases, L. W. Ferdinand Co., London

GUM—100 bgs., Anglo Egyptian Bk., Port Sudan

IRON—Oxide, 10 cks., Wm. Leslie, Liverpool

LITHOPONE—40 cks., E. M. & F. Waldo, Hamburg

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Wants & Offers

Bids and Proposals

CAUSTIC SODA—The office of the chief of air service, U. S. Army, Washington, will open bids April 21, cir. CAS-100, for 200,000 lbs. caustic soda.

ACID—The director of purchases and sales Department of Agriculture, Washington, will open bids April 7 for 9,000 lbs. liquid hydrocyanic acid.

PAINTS, ETC.—Bids are wanted April 4 under cir. 5 by the quartermaster intermediate depot, New Orleans, La., for 600 lbs. white lead, 5 gals. paint remover, 4 gals. varnish, 50 gals. linseed oil and 50 gals. turpentine.

CHEMICALS—Bids are wanted April 30 under cir. 18 by the quartermaster, Langley Field, Va., for 9,900 lbs. calcium hypochlorite and 2,000 lbs. sodium bicarbonate.

DYESTUFF & CHEMICAL PLANT FOR SALE AT SANDUSKY, OHIO. The Real and Personal Property of The Hord Color Products Company, 1636 Columbus Ave., Sandusky, Ohio, will be offered at public sale by the Receiver of said company at 10 o'clock A.M. Saturday, April 4th, 1925, on the premises. This company manufactured dyestuffs and intermediates; Naphthol Yellow S and Alpha Naphthol. Real Estate consists of 1.036 acres on B & O Railroad, and numerous large frame, brick and stone buildings. Personal property consists of all machinery equipment, appliances, tools, office and laboratory equipment and materials on hand. Lloyd-Thomas Co. appraised plant at \$220,000; Reappraised by court at \$88,527.57; Minimum bid received \$22,500. Terms cash. Product and process is right. Capacity is large. Business 9 years old, established sales. Technical and Business organization to operate it if you desire. Open for inspection. Wire or write, Clifton H. Richardson, Receiver.

PAINT MATERIAL, etc.—Sealed bids are wanted until May 18 by the U. S. Indian warehouse, St. Louis, Mo., for paints, oils, etc., under class 14, as required during the fiscal year 1926.

NAVAL SUPPLIES—Bids are wanted on dates indicated by the Bureau of Supplies and Accounts, Navy Department, Washington, for miscellaneous supplies for navy yards and stations: Sched. 3466, various yards cutting compound, graphite, grease, oil petroleum and tallow, opening of April 7. Sched. 3467, various yards, 2170 gals. castor oil, opening of April 7. Sched. 3485, Mare Island, 26,000 lbs. slab zinc, opening of April 7. Sched. 3487, Brooklyn, 28,700 lbs. dry venetian red, and for Philadelphia, 6,600 lbs. white zinc oxide, opening of March 31.

Bids and Proposals

MISCELLANEOUS—Bids are wanted April 3, under sch. 516, by the quartermaster, Marine Corps, Washington, for 200 lbs. vermillion, 1,000 gals. petroleum spirits, 500 gals. linseed oil, 100 gals. spar varnish, 100 gals. shellac, 1,000 gals. cream paint, 15 gals. rubbing varnish, 50 gals. paint and varnish remover, 250 lbs. whiting, 20,000 lbs. white lead, 150 gals. paint drier, 25 lbs. rotten stone.

MEDICAL SUPPLIES—Sealed bids are wanted until May 15 by the U. S. Indian warehouse, St. Louis, Mo., for medical supplies under class 18, as required during the fiscal year 1926.

ARSENATE OF LEAD—The director of purchases and sales, Department of Agriculture, Washington, will open bids April 3 for 60 tons powdered arsenate of lead.

DRUGS—Bids are wanted until April 2, under class 10, by the commissioners, District of Columbia, Washington, for drugs, as required during the fiscal year beginning July 1, 1925.

HYDRATED LIME—The U. S. engineer, P. O. Box 72, Louisville, Ky., will open bids April 16 for 1,600 tons of hydrated lime for dams Nos. 45, 46, 49, 50 and 52, Ohio River.

DEXTRINE—The purchasing clerk, bureau of engraving and printing, Washington, will open bids May 26 for 600,000 lbs. dextrose as required during the fiscal year beginning July 1, 1925.

DRY COLORS, etc.—The purchasing clerk, bureau of engraving and printing, Washington, will open bids June 4 for annual supplies, including 600,000 lbs. mixed black, 1,500 lbs. carbon black, 400 lbs. do, 40,000 lbs. precipitated magnetic oxide of iron, 1,200,000 lbs. barites, 200,000 lbs. paris white, 10,000 lbs. zinc white, 2,000 lbs. hydrate of alumina, 200,000 lbs. chrome green, 60,000 lbs. Prussian blue, 6,000 lbs. bronze blue, 4,000 lbs. Chinese blue, 4,000 lbs. ultramarine blue, 75,000 lbs. red lake, 570,000 lbs. chrome yellow, 10,000 lbs. orange mineral, 6,000 lbs. borate of manganese.

Business Opportunities

WANTED—Representatives in leading cities for American Botanical Crude Roots, Herbs, Bars, etc. Address: J. P. Box 359, Bristol, Tennessee.

LIVE SALES AGENCIES wanted by manufacturer, industrial specialties in central northwestern and western sections. Buchanan Chemical Co., Norwood PO, Cincinnati, Ohio.

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5¢ each, per issue.

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SOUTH AMERICA. Agents for sale of Botanical Drugs required in all important centers. Pantodrog Co., 13 Baross utca, Budapest, Hungary.

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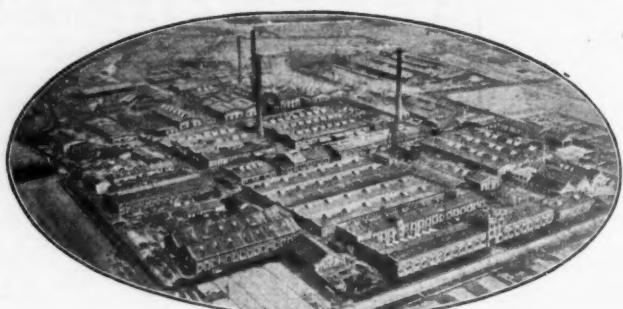
EQUIPMENT WANTED—Reliable firm intending to manufacture complete toilet goods line invites offers on new or used machinery. Box 189, DRUG & CHEMICAL MARKETS.

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Additional warehouse stocks will be placed at other distribution centers as rapidly as the growing volume of business warrants.

Mathieson Aqua Ammonia, 26°, is furnished in standard 110 gal. drums.

We solicit inquiries from all consumers and are prepared to meet the requirements of the trade in every possible way.

You are cordially invited to visit our Booth No. 252 at the Knitting Arts Exhibition, Commercial Museum, Philadelphia, Pa., April 6-10, 1925.

The MATHIESON ALKALI WORKS Inc.
250 PARK AVE. NEW YORK CITY
PHILADELPHIA CHICAGO PROVIDENCE CHARLOTTE

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Bicarbonate of Soda
Anhydrous Ammonia



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